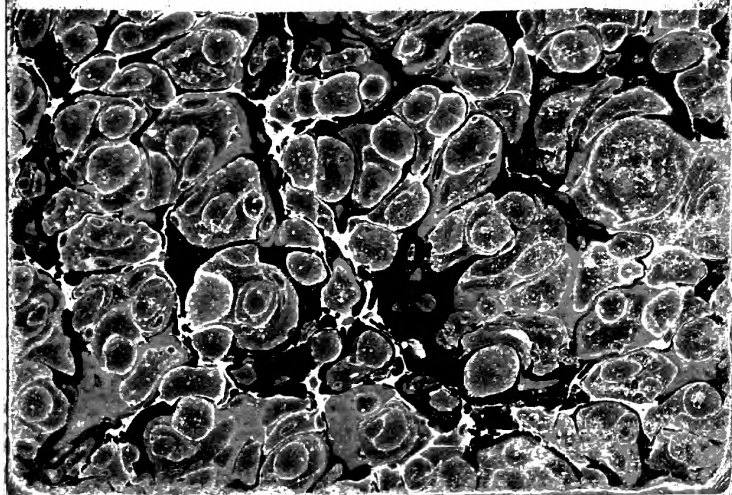


*Greenland Journal III.*

(Pabst & Co. Letter)



E. O. Macey -

Am. Mus. Nat. Hist. -

W. 77<sup>th</sup> St. & C. P. W. -

New York.

Greenland Journal. III.

Beaufort Nos.	Kind	Veloc. mi per hour	ft per sec.	Beaufort scale
0	Calm	0	0-2	
1	Light air	2	2-5	Light breeze
2	Light breeze	5	6-11	
3	Gentle "	10	12-18	
4	Moderate "	15	19-27	Moderate "
5	Fresh "	21	28-36	
6	Strong "	27	37-46	Strong wind
7	High wind	35	47-56	
8	Gale	42	57-68	Gale
9	Strong gale	50	69-80	
10	Whole "	59	81-93	Storm
11	Storm	68	94-110	
12	Hurricane	75+	111+	Hurricane -

B - Blue sky  
C - Clouds (detached)  
D - Drizzling rain  
E - Wet without rain  
F - Foggy  
G - Gloomy  
H - Hail  
L - Lightning  
M - Misty  
O - Overcast

P. Passing showers  
Q. Squally  
R. Rain  
S. Snow  
T. Thunder  
U. Ugly (threatening)  
V. Visibility high  
W. Sea  
Z. Haze

Fog - 0, none; 1, light,  
2, 3, moderate; 4, 5, heavy

Dots under  
a letter are  
for emphasis  
R = heavy rain  
R = very " "

Figures before  
letter mean  
hours of  
duration  
4 R = 4 hrs rain

Fog 0 none

14 February. Monday.

11.

Overcast and somewhat thick, though moon is visible at 1 p.m. Bad weather on the ice cff. S. or S.E. wind continues to blow. Is moderate at ship but cold.

Temp. min.  $-11^{\circ}$ ; 9 a.  $-10^{\circ}$ ; noon  $-8^{\circ}$ ; 3 p.  $-10\frac{1}{2}^{\circ}$

Crown of 1<sup>st</sup> molar, which became loose yesterday, was taken <sup>off</sup> and re-cemented in place by Dr. Hunt to-day. He has practiced dentistry more frequently than medicine up here. Chief surgical and medical cases among members of staff have been Tanquary's broken arm, Green's illness, and Allen's congested kidneys, Ekblaw's frozen foot and Tanquary's frozen toes. He (Dr. H.) has been very serviceable to the Eskimos and now is to the crew of the "Cluett" and to me.

This afternoon Ekblaw and I took

a 3+ mile walk on land, visiting <sup>12</sup>  
a snowdrift glacier in a valley N.E.  
of the igloo. Snow cornice beautiful  
with its drapery of heavy curtains in  
rows parallel to the vertical surface of  
the ice front. A "drop fault" in the ice  
has made a pretty grotto 25 to 30 feet deep  
from front to back, 6 or 8 feet high,  
<sup>wedge shaped</sup>  
with <sup>ceiling</sup> coated with festoons of frost  
due to congelation of vapor rising from  
broad, deep crack in the floor.

Exceptionally broad, sharply defined  
halo of large diameter around the  
moon this evening. Wind has almost  
died out and we hope now for better weather.

15 February. Tuesday.

Clear except for low haze along  
horizon. Sun's rays lit highest peaks.

Temp. min  $-19^{\circ}$ ; 9a  $-19^{\circ}$ ; 11(?)  $-21^{\circ}$



1 p. -  $18^{\circ}$ ; 3 p. -  $18^{\circ}$ . Calm or nearly so. [3

Out with Dr. Hunt and Pudtlak to seal blow-hole in the ice two miles from "Cluett". Pudtlak bent down <sup>at once</sup> & smelled of the hole to determine its freshness. I tested it and found it musky. The hole is about an inch across. Leaving Pudtlak to watch it, Dr. Hunt walked in one direction and I in another looking for a second hole. We zigzagged over a wide area, but without success.

Dr.'s course lay toward the ship and he came in. Mine was outward and I walked 8 or 9 miles before getting back to the "Cluett". Pudtlak gave up watching the hole after an hour or so and went on out beyond Parker Snow Point looking for a lead beside which he might use his net for seal.

Left lower wisdom tooth began to ache again and Dr. Hunt had to take out the gutta percha filling and plug the hole with oil of cloves. What a lot of misery a bad tooth can cause! and what a relief the oil of cloves gives!

Dr. examined my heart on my return from my 3+ hour walk and said that it was acting better, seemingly nearly normal, probably a result of the exercise equalizing the circulation. Later I had an hour or more of the <sup>oppressed</sup> distressed feeling in my chest, but he said that it was nothing serious. I wonder. At any rate the feeling ceased when my tooth stopped aching.

At 7:45 Sigdlu and Boseman arrived from Umanak and an hour (?) later Alakutsiak came

in. They had been held up by 15  
the open leads off Petowik glacier,  
which did not close until last night.  
Alakutsiak has only four dogs now,  
having lost two while he was away.  
He is as cheerful as ever and as fat as  
a seal from the abundance he has had to  
eat. He brought some meat for Pudlak  
and his family.

16 February. Wednesday -

Clear except toward horizon. Calm.

Temp. min -  $21^{\circ}$ ; 9a. -  $18^{\circ}$ ; noon -  $18^{\circ}$

About 10:30 all three kamatiks be-  
gan to start back to Umanak,  
Sigdlu leading with Ekblaw  
and most of his baggage. I  
had started out for my daily  
walk. They overtook me a half  
mile this side of the big gulch.

Ek jumped off for a final good 16  
bye to me. I hated to see him go,  
although I know full well the need  
of his departure. It is doubtful now  
whether he will be able to reach E-  
tah before Mac Millan leaves on  
his long trip. Ek reached the "Cluett"  
early in the evening of 17 September,  
five months ago tomorrow, and  
I have found him a fine fellow  
and an inspiring companion.

Dr. Hunt has decided to re-  
main on the ship, because, he says,  
I need him now for my tooth  
and am liable to need him on  
account of my heart. I don't  
like being an object of solici-  
tude either to myself or to  
others.

This morning at ten o'clock the

chief started for Conical Rock (7  
on a wager of a blue fox skin each  
with the second mate that he could  
~~not~~ make the round trip within  
five hours. He started off at a  
too rapid gait, taking French Ben  
as companion and toting Dr.  
Hunt's automatic as a pre-  
caution against meeting a  
bear. — At 2:45 the two re-  
turned, having turned the trick  
in  $3\frac{3}{4}$  hours, which was excel-  
lent time. They encountered con-  
siderable thin ice near the island  
and were in danger more than once.  
Ben broke through with one  
foot and got his leg into the  
water above the knee. The chief  
earned his fox skins all right,  
and I for one was glad of his success.

17 February - Thursday. 18

Clear, almost cloudless, calm.

Magnificent day, followed by cloudless, brilliant evening. Full moon. Venus and Jupiter a beautiful sight in the west. Temp. min -  $28^{\circ}$ ; 9a. -  $24^{\circ}$ ; noon -  $25^{\circ}$   
6:30 p. -  $25^{\circ}$

Chief put second band of brass around cabin stove, completely inclosing the fire pot. Efficiency of stove as a heater reduced, but the stove will not fall apart quite yet.

Out for six mile walk. as far as gulch with chief who then turned back, we being then in the full sunlight. First time this year and it was fine to have it to enjoy again. I think that these Eskimos might be excusable if they were sun-worshippers, but they seem to be almost without religion of any

kind. Went out to next point, 19 where I met Dr. Hunt and Mac Dougal returning from the cache near Cape Dudley Digges, Dr. was tump-  
ing in a ~~sixty~~<sup>fifty</sup> pound box of prunes. It seemed to me like quite a load for a five mile carry, but Dr. said that it was "nothing". Once he carried a 130-pound deer carcass on his shoulders through the Maine woods. I wore my Kooletah in addition to my bear skin pants and found myself too warmly clothed for much walking. Better too warm than too cold, however, in my present condition.

Had first class hare-stew for dinner to-day - but nothing else except bread, biscuit, butter and Tea. Standard breakfast continues to be oatmeal or cornmeal mush, beans, bread, butter, molasses and coffee.

The low rays of the sun produced a beautiful effect, shining through the snow-ice crystals on the bay ice and giving a broad band of bright prismatic colors. One good parhelion too was in the southwest.

18 February. Friday.

Slightly hazy overhead. Increasingly cloudy from horizon. Southern clouds threaten wind, but almost calm at ship all day in fjord. At 6 p. m. gale from S.E. struck the ship and we are shivering this evening, although the temperature has risen considerably. <sup>air filled</sup> with flying snow.

Temp. min.  $-26^{\circ}$ ; 9 a.  $-21^{\circ}$ ; noon  $-18^{\circ}$ ; 3 p.  $-13^{\circ}$

Worked on Rasmussen letter for some hours then went out alone for a four-mile walk to base of northern branch Cluett glacier and the



snow drift ridge glacier at 11  
the western end of the big nunatak.  
Fine snow cornice along the upper part of the ridge.

Sun was visible from ship's deck at and shortly before sunset at about 3 p.m. Was almost but not quite far enough north yesterday to be seen from the ship. The sunset colors were as brilliant and gorgeous as they were last October. Beautiful rose tint on high snow-covered mountain n.e. of bay.

Dr. Hunt examined Pudtlak's eyes as well as he could without instruments and thinks that there ~~be~~ may be some hope of helping him, if he is sent to Copenhagen. Trouble probably due to snow blindness and not to freezing of the eyeballs as Peter supposed.

Dr. Hunt applied electricity (12 to Charlie this evening in the hope of helping him out of trouble.

Great excitement at 7:30 when Charlie came down, leaving the door of the canvas house open. We thought that the wind would carry the canvas away, before the mate could get the door shut. Charlie did not seem to have any idea of the danger to which he exposed us, though he had been told often enough to be careful to close the door after him when the wind was blowing.

19 February. Saturday.

Somewhat overcast and cloudy this morning, clearing overhead about noon, but heavy clouds near horizon and banks of fog

or low cloud on southern mts. 13

Temp. min  $-21^{\circ}$ ; 9a.  $+1^{\circ}$ ; 11a  $-4^{\circ}$

2:30 p.  $-10^{\circ}$

Last night's heavy gale blew itself out about 4 this morning and the day has been calm until this evening. About 7 p. m. S.E. wind began blowing strongly again.

Dr. Hunt and I walked out to Cape Dudley Digges and back - a good 10-mile tramp. Wind had blown away all the loose snow, hence the footing was almost perfect, & the weather being all that could be desired, the walk was very enjoyable. Petowik Glacier looked beautiful, with the sunlight touching its higher parts. Wostenholme Island & Cape Athol in the background. Dr. brought back

six cans of clam chowder for 14  
my use at the evening luncheons.  
which he directed me to eat.

Cape Dudley Diggins is a <sup>little of</sup> black  
hornblende gneiss, beautifully banded  
with white and pink feldspar  
and showing strong contortion.

Thick transverse veins of quartz  
and feldspar are numerous.

Saw considerable epidote.

Dr. says that Small was not a suitable  
cook for a party like the C. L. E.  
staff, being ignorant of the kind  
of food required, dirty in habits and  
as to his hands and prone to shirk  
the work anyhow. Jot was, however,  
always willing to put his mechanical  
ability at the disposition of the other  
members of the staff. Mac failed to regulate

the cooking business properly, 15  
just as he failed to regulate other  
important matters. Dr. says that  
there was a lack of unanimity  
in the ideas ~~of~~ or desires of the other  
members of the staff and admits  
that Mac might <sup>probably</sup> have been held  
in check and some features of  
the life and work of the Expedition  
improved, had the staff gotten  
together and presented a united  
determined front regarding  
matters that were objectionable  
in their eyes.

At 6 p. m., it was just seven  
months since the "George B. Cluett"  
cast off from Morrison's Ingham  
wharf at Sydney and started on  
this unfortunate and ill man-  
aged voyage;

20 February. Sunday. 16

Somewhat overcast, calm in early morning; clear, strong S. wind (Easterly at ship) at noon.

Temp. min  $-16^{\circ}$ ; 9a.  $-13^{\circ}$ ; noon  $-3^{\circ}$

On board, blister on foot precluding long walk and keen wind making <sup>even a</sup> short one unwise. Finished my long letter to Rasmussen regarding arrangements with Peter for the southern trip.

Breezed up during evening.

Just a month this afternoon since my party started from Cape York leaving disconsolate me behind. I wonder where they are now.

21 February. Monday.

Thinly overcast morning with little or no wind. South

wind on ice cap sends an (17  
occasional keen gust against  
the ship.

Temp. min  $-11^{\circ}$ ; 9a  $+2^{\circ}$ ; noon  $-5^{\circ}$

Night was windy and the  
wind had the full force of a gale from  
2 to 3 this morning, dying down  
afterward.

Dr. Hunt's dinner yesterday  
gave him trouble last night, so  
he turned in again after break-  
fast and I walked out alone.  
Went over to front of Corner gla-  
cier, encountering some gusts  
of keen wind on the way. Inter-  
ested in observing the process of polish-  
ing the vertical ice face by the wind-  
driven particles of icy snow.  
Concave slope of snow drift at base  
of ice and moraine is like the

lower slope and surface of the 118

northern branch of the Cluett Glacier.

Dr. Hunt built a fire on the rocks near the ship from peat dug in the immediate vicinity. There is much peat in this region.

22 February. Tuesday.

Overcast. Heavy S.E. wind.

Temp. min -  $8^{\circ}$ ; 9a. +  $8^{\circ}$ ; noon +  $12^{\circ}$ ; 5p. +  $17^{\circ}$   
6p. +  $20^{\circ}$ ; 7p. +  $18^{\circ}$

Disagreeable day on account of the wind, which was very keen in spite of high temperature and was driving lots of snow before it across the surface of the bay ice. Taylor reports leads open around Conical Rock and Pe-touic Glacier. Good sunset.

On board all day, writing, talking + playing cards and chess.

23 February. Wednesday.

Extremely thick. Strong gale from S.E. with much thick fine snow. One of the worst storms that I have ever seen, a regular blizzard, cannot see 50 yards in any direction.



Comes up to my ideal of what an 19  
Arctic storm would be, except  
that the temperature is relatively  
high. Calm for a time last night?

Temp. min  $+8^{\circ}$ ; 9 a.  $+17^{\circ}$ ; 5 p.  $+5^{\circ}$

On board all day.

Pudlak and Inetliak are for-  
tunate in having food and fuel  
again. He got a hare in a snare  
yesterday, so that the family had  
a feast last night and the two  
Estimo<sup>camp</sup> stoves were going on the  
seal fat brought down by Ala-  
Kutsiak last week. The igloo  
looked cheerful again <sup>last night</sup> with its  
window brightly lighted.

This evening even the Captain  
admitted that the storm was a  
bad one, so we land lubbers think  
that our estimate of it is fairly correct.

24 February. - Thursday. | 20

Rather thick with lowlying fog but almost clear overhead, moderate wind, around ten o'clock. Overcast about noon and southeasterly wind blowing strongly out of the fjord.

Temp. min.  $-4^{\circ}$ ; 9a.  $-4^{\circ}$ ; noon  $-3^{\circ}$

Yesterday's severe storm lasted well into or nearly through the night. Considerable snow fell, but it drifted and blew away so badly that no estimate of amount can be formed. The drift <sup>separated by</sup> ~~at~~ a little distance from the ship is now half as high as the rail and the moat around the bow is quite a trench, being about two feet deep. This is to windward, while a ridge shaped drift comes into contact with the stern of the vessel.

Dr. Hunt & I went out for a short

walk, partly on the bay and 121  
partly on shore. Wind was too high  
to render it advisable to take the long  
walk which we desired to take. I  
staid out an hour after he came aboard  
and I walked half way across the head  
of the bay. Increasing wind caused my re-  
turn early. Heavy black water fog  
is in evidence close in, crossing  
from Parker Snow Point to Cape  
Dudley Digges. Mate Davis went  
out a mile and climbed up the  
cliff to where he could see open water  
stretching across the bay from the  
little cove inside of where the "Cluett"  
moored, but he could not tell where  
it struck this shore. We fear that  
our three boxes on the ice (clam chow-  
der, pears and apples) have been  
carried out. Snow surface firm

even on the newly formed drifts, while 22  
that of the old ones is like marble in  
appearance and hardness.

Evening clear, less wind

25 February. Friday.

Beautiful day, clear, occasional  
light clouds. Little or no wind f. S. E.

Temp. min  $-4^{\circ}$ ; 9a.  $-1^{\circ}$ ; 2p.  $-1^{\circ}$

Fine, clear evening, rising wind.

Dr. Hunt and I walked out to  
black point 4 miles from ship, in-  
tending to visit our cache at Cape  
Dudley Diggs. Open water clear up  
to the rock of the point and we  
could not get by. Taylor and Ben  
came in this evening saying that  
the Cape was completely surround-  
ed by water, no boxes in sight. We  
think that the main part of our  
cache is all right, being upon

the rocks of the point. It would (23)  
be a calamity, if the material on  
shore were to be carried away! The  
boxes on the ice were  $\frac{3}{4}$  case clamchowder  
1 case pears and 1 case apples.

The footing was bad, soft and  
rough by turns, <sup>very little smooth + hard,</sup> so that I am more  
fatigued than at any previous time  
since leaving Sydney last summer.

Captain Pickels and Mac Dougal went  
out to edge of old ice near middle of  
bay. Walrus came up in open water (thin  
young ice) within short rifle range and  
a seal poked its head up farther away.

Mate saw sun at noon above south-  
ern mountains. Says that he is sure  
that it could have been seen yesterday  
had the clouds not been too thick.

Am turning in at 9:20, too tired  
for late hours this evening.

26 February. Saturday. [24]

Clear, light thin clouds, black water fog in west & southwest. Strong N.E. wind.

Temp. min.  $-4^{\circ}$ ; 9a.  $-2^{\circ}$ ; 11a.  $-3^{\circ}$ . Ice 50".

Slept well last night, though it was almost too warm in my sleeping bag a part of the time. Water in room froze as usual. Captain Comer's little snow igloo beside the ship has been very useful during the past three months, but considerable snow drifted in during the recent big storm and no one has taken the trouble to go in with a shovel and clear it out. Wind wore the east side rather thin. Snow festooned itself in beautiful fashion on ceiling and walls.

A few days ago Dr. Hunt expressed the same opinion that some of the other men have voiced regarding Captain Kehoe of the "Erik", viz: that

Mac Millan is altogether too (25)  
severe upon him in his criticisms  
regarding his not getting to Cape Sabine.  
They think that ice conditions were such  
that Kehoe was justified in turning back  
when he did. The ship had some pretty  
hard knocks and narrow escapes and  
no supplies had been landed at Etah.  
If the ship had been lost the men  
would surely have starved.

27 February. Sunday.

Clear fine day. E. or S. E. breeze blowing  
through fjord. Cloudless, except near horizon

Temp. min -  $4^{\circ}$ ; 9a. -  $2^{\circ}$ ; noon -  $2^{\circ}$ ; 3p. -  $8^{\circ}$   
3:40p. -  $7^{\circ}$ ; 5p. -  $5^{\circ}$

Out for long, enjoyable walk with  
Dr. Hunt, in spite of the strong breeze  
from E. Went up snow slope north.  
<sup>Cluett</sup>  
side Corner glacier, along lateral mo.

rairie, across glacier and up to 26  
top of high mountain (2500(?) feet a.t.)  
east of fjord, where Ekblaw and H.C.P.  
built a cairn about a fortnight ago,  
down s.w. side, ~~and~~ along valley beside  
north side Cluett glacier and thence  
directly to ship. More than 11 miles, I  
should think;  $4\frac{3}{4}$  hours.

Noted only gray and pink gneiss  
in moraine of Comer glacier. The mo-  
rairie is almost as high as the gneiss  
ledges immediately north of the glacier  
& is separated therefrom by a valley  
~~seems~~ <sup>down</sup> well toward level of bottom of glacier  
itself. These ledges therefore are not the  
source of the moraine. Side valley comes down  
to glacier from north, shows strong  
stream action, also a large typical  
snowdrift glacier which backs up  
against the moraine of the Comer glacier.



Not much ice is exposed on the top { 27  
of the glacier at this season of the year,  
but toward southern side of glacier  
noted several ( $4 \pm$ ) long low rounded  
longitudinal ridges of smooth, fitted  
ice. Perhaps these are the remains  
of snowdrifts of former years. South  
side of glacier also shows strong valley be-  
tween it and the land. An east-facing  
side of a point of the land which forms a  
cove retreating from the ~~to~~ main glacier  
presents a moat between it and a  
snowdrift glacier with a beautiful cornice  
and long icicles above the vertical polished  
ice surface. As we mounted higher  
and higher the wind diminished  
in strength and on the summit  
we felt none. Added a stone to the  
cairn put up a fortnight ago by  
Ekblaw and Capt. Pickels. View

superb in all directions. That of the 128  
undulating surface of the ice cap  
interested me particularly. To the  
N.E., 10 or 15 miles away, there is a mass  
of angular snow covered peaks and  
what is apparently a nunatak of bare  
rock. To the south we looked down  
the Ekblaw Glacier to the sea at  
Sukken. Did not see any black  
sea ice in that direction. Off Parker Snow  
Bay there is much young black ice but  
also <sup>as</sup> much or more snow covered  
old ice. As we came down the moun-  
tain, we felt the wind increasing  
at our backs. The air was rolling  
down hill off the ice cap. Some  
fine sastrugi in the long valley  
beside the Cluett Glacier. Had fine  
footing all the way, except on the bay  
where the surface was tiringly soft.  
The top of the mountain is covered

with loose angular fragments 129  
of rock apparently in place or nearly so.

28 February. Monday.

Clear, cloudless, calm. Another fine day.

Temp. min  $-16^{\circ}$ ; 9a.  $-14^{\circ}$ ; noon  $-13^{\circ}$ ; 4h.  $-14^{\circ}$

Captain and crew except mate and cook out in various directions hunting or walking. I staid on board to work on Mr. J. report. Cook came into cabin and spun some yarns to Dr. Hunt and the mate about the birds and eggs of Tristan d' A. Cunha and other places which he has visited. About 2:30 p. m. went out alone for 4 + mile walk on bay as far as the gulch. About half the way the footing was good, rest of it rather soft and difficult. H. C. P. returned from tramp beyond Cape Dudley Digges and reported our shore cache all right, which relieves my mind greatly.

Frauder came back overland from 30  
Petowik Glacier saying that Norman  
and Taylor had left him with the de-  
clared intention of crossing the land  
to Umanak. Foolish venture; late  
in starting, strange country, no  
food or drink, Taylor fairly well  
clothed but Norman's clothing poor  
and inadequate. They are liable to  
suffer before they reach either Umanak  
or the ship, if they do not lose their  
lives. — At 6:40 Taylor came in  
suffering from cold and fright  
saying that he had left Norman  
<sup>on the sea ice north of the</sup>  
~~up near the~~ head of the gulch in  
distress with frozen face and nose and  
with pains in back and legs, unable  
to keep going more than a hun-  
dred yards at a time and then  
lying down to rest. H. C. P.  
started Ben off at once to Nor-

man's assistance, Ben knew (31  
ing the region well and being young,  
active and keen eyed. Within ten  
minutes six more were off on  
the same errand: the chief with  
a lantern and some of my whiskey,  
Ralph and Frander with a kam-  
tik, the mate with extra mittens  
(H.C.P.'s + mine) <sup>a rope</sup> and my old parka,  
Dr. Hunt with primus stove,  
water kettle and tea, and Charlie.  
Norman, Taylor and Frander ("Old  
Will") were together beside the Peto-  
wik Glacier between 1 + 2 o'clock,  
when Norman proposed walking  
across country to Umanak.  
Frander declined, but Taylor did  
not like to "take a dare" so he and  
Norman started. They got across  
the glacier to the land on the other

side, when Norman began [32]  
to complain of the cold. Then  
Taylor urged him to turn back.  
After a time they did so and were  
half way across the glacier at  
sunset. They got down into the  
little gulch on the south side  
of the glacier  
and started up over the moun-  
tain to come down through the  
big gulch. Norman was suf-  
fering severely and Taylor had  
to rub his arm to keep it from  
freezing. He (N.) could walk  
only a few yards without having  
to sit or lie down to rest. From  
Taylor's first account we sup-  
posed that he had left Norman  
headed down the big gulch, but  
H.S.P. learned at 8:10 that it  
was half way up the little gulch.  
This made matters much worse.

because the rescue party wld. hardly think of going over there to look for him. By 8:15 Taylor and Mac Dougal were on their way out with a lantern each to follow the rescue party and lead them on to the other gulch.

9:30 - No one back yet and no light in sight across the ice. According to Taylor's account it must have been about 5:15 when he left Norman and hastened for the ship and help, Nor. saying "tell some one to bring me a biscuit." man urging him to go. The poor man has already been over four hours alone in the terrible cold. It is hard to be sitting here unable to do anything to help, and the captain's distress of mind is evident. He came back this afternoon with a big blister on his foot & there seemed to be no need of his going out with the rescue party.

10:30 - Charlie just came in (34) saying that the mate had found Norman a short distance <sup>from the bay</sup> up the big gulch, still alive. The mate sent Charlie back to tell the captain and me.

11:15 Kamatik arrived with Norman on it. Table had been set for luncheon for the rescuers but Dr. wanted to put Norman there, so we swept things off precipitously. They lugged Norman in, put him onto the table, cut and stripped off all his clothing and slapped and rubbed him with great vigor, bringing the color back to the surface before long; - about 20 minutes. He began to move his muscles himself and then Dr. covered him up with blankets and put hot plates all about him and used the "Welkom warmer" too.



It develops that the mate and 35

Frauder found Norman up on the divide between the two gulches. They had gone almost as far as they dared, yelling as they went, when they heard a faint call and made out a dark object <sup>rising from</sup> ~~on~~ the snow. They hurried to it and found it to be Norman, who had seen or heard them and shouted as loudly as he could. He recognized them and tried to help himself as they dragged him along with one of his arms over a shoulder of each. A mile of this was all that the <sup>mate went on and found</sup> men could stand. Then they ~~went~~ <sup>to</sup> Dr. Hunt in the big gulch. ~~and~~ The <sup>two</sup> took turns with the <sup>help of Frauder</sup> ~~mate~~ in backing Norman, now unconscious, to the cliff at the mouth of the gulch. There they lowered him by a rope

about <sup>twenty-five</sup> ~~fifty~~ feet to the bay ice, [36  
"just like a bale of hay" as Dr. Hunt  
says. From the gulch they hurried  
him to the ship on the little kamatik,  
being guided and cheered by the light of  
the lantern on the ship's rail.

29 February. Tuesday.

Clear, cloudless, calm.

Temp. min -  $19^{\circ}$ ; 9a. -  $18^{\circ}$ ; noon -  $15^{\circ}$  <sup>2h. -  $10^{\circ}$</sup>  <sub>4h. -  $15^{\circ}$</sub>

I turned in soon after 10 o'clock  
this morning and was able to sleep, my  
mind being easy regarding Norman.  
Dr. put him into the mate's bunk  
about 3 o'clock and then turned  
in, leaving the mate on watch for  
the rest of the night. Norman  
wakened at 10:15 this morning,  
rational in speech and recol-  
lection of events up to the time  
when the mate left him with Frander

and came on down <sup>the gulch</sup> for Dr. Hunt. [37]

He feels awfully sore, bruised and lame, but seems to have frozen only two or three toes on his left foot. How badly they are frozen remains to be determined. Norman's danger was his exhaustion from fatigue, hunger and the cold, the last would have finished him before long, had he not been found when he was. He realizes the close call that he had. About 12:40 he began to get up, and succeeded, in spite of his stiffness, but by 2 o'clock he was glad to lie down again. He frosted some fingers as well as the toes.

Out alone for 4-mile walk about Head of bay. Freedom of ice of southern half of bay <sup>from new snow</sup> seems to indicate that the recent big storm was a north-

easter instead of being a south. [38]  
easter as we supposed. Captain  
Pickels, however, says that a north-  
easter would have brought colder  
weather than we had. But the snow shows  
where the wind blew the hardest.

1 March. Wednesday.

Heavily overcast dull day. Thick  
at midday. Light, powdery snow be-  
gan to fall at 12:30, but not much  
fell after all. Calm.

Temp. min  $-18^{\circ}$ ; 9a.  $-2^{\circ}$ ; noon  $+3^{\circ}$ ; 3p.  $-1^{\circ}$

Out alone for scant four mile walk  
around head of bay, following beach  
ridge from near cache to south coast.  
Considerable sea weed of several kinds is  
mingled with the gravel and pebbles of  
the beach. Came back earlier than  
I had intended to, the snow begin-  
ning to fall and the weather so thick  
that one could see scarcely a half mile

by the time I reached the ship. [39

Pudlak came in about 6 o'clock dragging behind him a seal that he had harpooned at a hole in the ice. We all are glad that the poor blind fellow was successful in his hunt. First seal of the season. Seal 75 lbs  $\pm$ , Land work.

Am glad to write down a new month as beginning.

Inetliak brought over a bird-skin shirt for Captain Pickels & was glad to receive a blanket in exchange for it.

Norman's frost bites are not serious.

Chief put a stray potato into the stove. When it was roasted, Dr. Hunt ate it, thinking it was among the coal by accident, and pronounced it excellent - best he had had in more than 2 yrs.

2 March. Thursday. 140

Heavily overcast. Thick. Lt. snow at times. Calm till evening, then breezed up from the southeast - 9p. +20°

Temp. min. -2°; 9a. +10°; noon +11°; 4p. +14°

Pudlak brought over a piece of his seal, which was appreciative in him, we all thought. Had it baked for dinner and it was excellent.

Was on board all day, except for a short walk of  $1\frac{1}{2}$  mile on head of bay, alone. Our boys got two more hares, making 16 in all thus far, I believe.

3 March. Friday.

Heavily overcast morning, clearing toward sunset and thickening again in evening. Calm almost all day. Light breeze from W. in morning. Warm breeze

from east (ice cap) at 4 p.m. (41)  
Sight S.W. breeze at 5. Strong, warm  
wind from ice cap (S.E.) increas-  
ing. A strange day.

Temp. min.  $+10^{\circ}$ ; 9a.  $+18^{\circ}$ ; noon,  
 $+17^{\circ}$ ; 3:30p.  $+22^{\circ}$ ; 4p.  $+38^{\circ}$ ; 4:30p.  $+21^{\circ}$ ;  
9p.m.  $+30^{\circ}$ . Unusual variations.

Out alone for walk to snowdrift  
glacier, a half mile out along the  
southern shore and back to the  
ship, - about 5 miles in all.  
Too warm for my kamiks to be  
really comfortable.

About 6 o'clock Sigdlu ar-  
rived from Umanak. Crossed sev-  
eral leads en route. Has been de-  
layed all this time by the open water  
and thin ice. Ekblaw left U-  
manak for Etah on the 20<sup>th</sup>  
February. Sigdlu brought the net-  
sha wh. Mene had had made for me.

4 March. Saturday Ice, 49°. [42

Thickly overcast. Light S.E. wind then westerly and in p.m. S.E. or E. again. snow from midday on.

Temp. min +16°; 9a. +29°; noon +24°; 4p. +24°

Disagreeable day, though warm.

On board all day except for walk alone of  $1\frac{1}{4}$  hr. on bay. Walking poor.

Worked on Martinique work for some hours. Some of the boys went out gunning, but soon came back, too thick and warm. Sigdler still here.

Pinochle as usual for an hour or so after dinner, Dr. Hunt and Norman against the mate and me.

Rabbit stew, bread, pilot bread, butter and Tea with milk & sugar for dinner.

5 March. Sunday.

Overcast a.m., beginning to clear in middle of afternoon. Calm or light, variable winds all day. Strong breeze blowing



out of the fjord at 6 p.m.

Temp. min +5°; 9a. +15°; noon +13°; 2p. +12°; 3p. +10°; 4p. +15°

Out alone 11 a.m. to 2:15 p.m., going around head of bay, out to little islet and back, 7+ miles. Mostly good, hard surface, but still much rather soft snow. Sigdler started for Umanak at about 11 this morning via the overland route.

Bft. fried ham and eggs, bread, butter and coffee, same as every Sunday a.m. since return from Cape York. H.C.P. had retired the eggs during the last three months of the C.L.E. men's stay on board. We get no porridge or mush Sunday a.m. Dinner. Canned roast mutton, dehydrated potatoes & turnips, canned corn, bread, butter, tea, rice pudding with prune- and -molasses sauce.

Inetliak shortened the sleeves of my new netsha and patched or sewed up some holes in it to-day. Thorough job!

At 7:45 Ahluogodablaho, Eging - [44]  
<sup>alnalungwah + Pingasut's</sup>  
wah, Ahulalundwah, her mother and  
small brother and Erik came in.  
They left Cape York about 8 o'clock  
this morning, but had to make de-  
tours on account of leads and  
they met the heavy wind just below  
Akpat. They brought meat for  
Pudlak. They have gotten 5 bears  
since I was there, of wh Erik got 3.  
Men not back yet from Upernivik

6 March. Monday.

Clear, almost cloudless, calm  
morning. Light westerly wind afternoon  
Lowlying fog came in about 3 p. m.  
Temp. min +8°; 9 a. +11°; 12 m. +7°; 3 p. +2½°; 8 p. +1°  
Dr. Hunt and I started for Cape Dud-  
ley Digges to dig our boxes out of the  
snow, but could not make it  
on account of open lead 10-20 feet

wide stretching southward from [45  
Point a mile east of Cape. We went  
a hundred yards or so along the ice  
foot at the base of the cliff but gave  
it up as being too risky for the worth  
of it. Climbed up a few feet on  
the rocks and sunned ourselves for  
a half hour before starting back. The  
rock is a beautifully banded, strong-  
ly contorted pink, white and black  
gneiss. Picked up Pudlak a ~~quarter~~  
an eighth of a mile east of our farthest  
where he was scrambling down the  
cliff from his rabbit snares and he  
walked back with us. At the mouth  
of the big gulch we found Egingwah's  
kamratik. St Peter was so glad to see  
us that Dr. Hunt freed the dog from  
his harness and he trotted back to the  
ship with us. Fine 9 mile tramp,

though the footing was soft and 146  
fatiguing a good part of the way.

All the Cape York men were out  
hunting to-day but without success.

Taylor shot two seals in the lead  
but could not get them and the  
lead had closed over them before  
the captain and others could get  
back to the spot with him.

The Eskimos were in the cabin after  
dinner and we had some sport  
with the chief's electric current.

Roast polar bear meat for dinner.  
Would have been fine had it not been overdone.  
The cook always or almost always spoils  
his meat, but he bakes good bread and  
good beans and makes oatmeal well.

7 March Tuesday.

Overcast and rather thick. Calm  
or light air from the S or S.E. Thick  
& snowy in the evening.

Temp. min  $-5\frac{1}{2}^{\circ}$ ; 9a  $+3^{\circ}$ ; 12m  $+4^{\circ}$ ; 4p  $+8^{\circ}$  [47]

Out alone along north shore to big gulch and back through middle of bay, 5+ miles. The Cape York men, Ben and Taylor went out to the lead for seals. Found lead closed up or frozen over, <sup>+ therefore no seals</sup> so they came back soon after noon. Norman and Friander went out to Cape Dudley Digges overland from the big gulch for the harpoon left there a week ago. Twelve miles - rather long for Norman's first outing since his exhaustion. They reported the lead open at the cape. Dinner: seal + bear + corned beef.

This is the chiefs 42<sup>nd</sup> birthday. He celebrated by drinking a bottle of Peter's "Apfel most" and <sup>smoking</sup> his last cigarette, both of which he had been saving for the event.

8 March, Wednesday.

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Overcast and thick. Could barely discern sun's position part of day only, moon dim in evening. Fresh breeze till afternoon from S.E. and then E. Calm late p.m.

Temp. min  $+1^{\circ}$ ; 9 a.  $+2^{\circ}$ ; 12 m.  $+4^{\circ}$ ; 7 1/2 p.  $+1^{\circ}$ ; 4 p.  $0^{\circ}$

Spent much of day - aside from talking &c - reading "J. Lembarou" for second time. Interested in the technique of a good, clear story, well told. Out alone for a walk of nearly an hour, 3-4 p.m., went over to shore cache and on land beyond igloo. Rather disagreeable day.

Dinner: <sup>soup,</sup> overdone seal and bear meat, corned beef, bread, butter and tea with milk and sugar.

9 March Thursday.

Overcast and rather thick early a.m. but clearing overhead about 10 a.m. leaving heavy mist

on ice cap and mountains. (44)

Temp. min -  $3^{\circ}$ ; 9a. +  $1^{\circ}$ ; 12m -  $3^{\circ}$ ; 3:40p. -  $4^{\circ}$

No wind at ship but apparently light N. breeze on cap. Three splendid parhelia around sun at eleven o'clock - one each side and one above sun, all convex toward his disc and strongly colored. Three inches soft new snow.

Cape York men and Ahludlungwa left for C. Y. about 10:30, leaving Pingasut's mother and brother with Inetliak. If a wind should spring up, travel would be very disagreeable.

Some work on Martinique.

Out from 2 to 3:40 p.m. with Dr. H. and to ridge above drift glacier northeast of igloo - perhaps nearly four miles in all. Wind on ice cap seemed to be light from

the south but was westerly at ship (50  
after our return. Lowlying haze  
over mountains and sea, a curious  
day. Dr. Hunt says that he has seen  
many like it up here. <sup>Dr. Hunt broached</sup> case of grapejuice.

Dinner: mutton stew, baked seal,  
bread, butter, pilot bread, canned peaches, tea.

10 March Friday

Overcast, thick. Lt. snow falling. Calm  
Temp. min  $-15^{\circ}$ ; 9a  $+1^{\circ}$ ; 12m  $+4^{\circ}$ ; 4p.  $+3^{\circ}$

Fine granular snow fell all day, and  
air was thick with haze. Occasional  
light variable breeze in late afternoon.

Got in more than three hours on  
Martinique work, then went out  
alone along middle of bay for 1 1/2 hrs.  
walk in spite of snow and thick  
haze. Moon in first quarter vis-  
ible through evening haze.  
Troubled somewhat yesterday



and to-day with the feeling of op. 151  
pression in upper part of my chest.

Dinner: macaroni soup, good, corn-  
ed beef, not good, <sup>hilot bread,</sup> bread, butter, tea.  
Dr. H. listened to heart this evening and found no  
change in its action. Thinks now that the murmur  
is muscular not valvular. Oppression prob. due to  
faulty circulation and advises use of glonoine for it.  
11 March. Saturday.

Cloudless blue sky in early morn-  
ing, but began to cloud over about  
10 o'clock and was wholly overcast  
soon after noon. Rather thick evening.  
Calm. <sup>2.15 W. 4.</sup> Ice 49"

Temp min -13°; 9a. -10°; 12m -4°; 2p. -2°

Out alone for trudge across  
bay nearly to Cluett moorage.  
Stopped by open lead, reaching  
to the ice foot of the big cliffs.  
Saw at least 2 seals on ice beside  
the lead. Taylor who was out  
there too, snapped his gun at one  
but it contained no load and

the seal slipped off into the 52  
water before he could load.  
Walking hard on account of soft  
snow - Covered about  $6\frac{1}{4}$  miles.

Dinner: seal meat cooked the  
best yet.

12 March. Sunday.

Early morning calm + snowing.

9a. Overcast and thick still snowing <sup>by calm</sup> gently.

10a. S. wind rising. Very thick with driving  
snow.

12m. Sun visible, but wind heavy and  
<sup>still</sup> snow driving thickly. Thick on ice cap.

Temp. min  $-10^{\circ}$ ; 9a.  $+24^{\circ}$ ; 12m.  $+20^{\circ}$ ; 4p.  $+13^{\circ}$

Very disagreeable weather. Captain  
Comer's igloo shows erosion effects  
of the wind. Has endured weather  
remarkably well.

1:45p. Nearly clear overhead but  
very thick on ice cap and southern

Mts and over southern part of bay. (53

Wind seems now to come from N. or N.E.

A bad day to be out! On board all day.

Toward evening air became thicker and by evening 8 o'clock a heavy storm of wind was raging, coming in from the westward. The night is worse than the day -

Dinner: baked roast mutton (cooked too much as usual), turnip-and-potato, string beans, bread, butter, Rice pudding with raisins, tea.

Breakfast: Fried bacon and eggs (1 apiece) baked beans, bread, butter, coffee -

13 March. Monday.

Heavy snow, southerly gale, regular blizzard in fact. Much worse than yesterday. As bad as 23 February.

Temp. min  $+9^{\circ}$ ; 9a  $+14\frac{1}{2}^{\circ}$ ; 12m  $+6^{\circ}$

was  $+25^{\circ}$  at 6 a.m.

On board all day, glad to have 154  
the shelter of the cabin. Velocity of wind  
not less than 50 mi. per hour in  
the gusts, according to Captain Pickels.  
He says that the wind is E. but it cer-  
tainly comes athwart the vessel from S.

14 March. Tuesday.

Thinly overcast and somewhat  
hazy all day. Snow in evening.  
Calm or very light breeze.

Temp. min  $+1^{\circ}$ ; 9a.  $+4\frac{1}{2}^{\circ}$ ; 12m.  $+7^{\circ}$ ;  
2p.  $+8^{\circ}$ ; 9p.  $+5^{\circ}$

Eight mile or less walk with Dr  
Hunt out to ice berg nearly as  
far as the black point. Half mile  
of hard work through knee deep  
and half knee deep snow. Old  
ice all gone off southern half  
of bay, but edge of old bay

ice still runs from near Clu. 155  
ett mooring to point a mile  
east of Cape Dudley Digges.  
Men were out and saw some  
seals in the open water. They  
shot three, but could not re-  
trieve them - Useless slaughter!

15 March. Wednesday.

Another blizzard from the south-  
east has raged today, with the air so full  
of gale driven snow that one could not see  
100 feet in any direction at times. Began  
last night but not bad till after 10 a.m.

Temp. min  $\pm 0^{\circ}$ ; 9 a.  $+13^{\circ}$ ; 12 m  $+22^{\circ}$ ; 4 p.  $+28^{\circ}$

On board all day and managed to  
get in\* about 4 hours on Marking  
work. Conditions are extremely  
unfavorable for doing any work  
like that.

Bkfr. menu - oatmeal, milk, sugar, 156  
molasses, beans, bread, butter, coffee -

Dinner: pea soup, corned beef, biscuit,  
bread, butter, turnip-and-potato, dried peaches,  
pickles, ~~coffee~~ tea.

Evening - pinochle - Davis + Hunt against  
Norman + me - 1 to 2; chess with Dr. Hunt  
He gives me his queen and then I can  
win, if I am very careful, - occasionally

Storm ceased early in evening and  
moon was out about 9 o'clock. Then began  
to snow again.

16 March Thursday.

Overcast. Thick. Light feathery <sup>calm</sup> snow.

Temp. min  $-2\frac{1}{2}^{\circ}$ ; 9a.  $+1^{\circ}$ ; 12m.  $+3^{\circ}$ ; 6p.  $+5^{\circ}$   
Hazy evening, but moon visible.

Seems as if edge of bay ice had re-  
treated in yesterday's storm, but weather  
and walking are so bad that we  
can't go out to see.

Drift in front of bows is more [57  
than 4 ft. high above the <sup>bottom of</sup> moat formed  
by the wind next the ship's planking.  
Chief built and cut some <sup>good</sup> snow  
steps to take the place of the crinde  
ones that we have been using to get  
off and onto the vessel. MacDoug-  
al is getting along only moder-  
ately, though he has felt better  
since he began sleeping in Dr. H.'s  
sleeping bag on the roof of the cabin.  
He suffered much intestinal pain  
this evening and Dr. gave him  
morphine. There is not much  
that can be done for the man, with  
the diet that is available on board.

Dinner: mutton stew, corn,  
biscuit, bread, butter, tea. No des-  
sert on Thursday's now.

Economizing on matches too now  
Some hours on Marking work.

17 March. Friday.

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Overcast <sup>+ thick</sup> all a.m. Heavy S.E. Wind (7) till about noon with light snow and much driving snow. Very thick till after 11 - near shore hidden during gusts.

3 p. + 1°; 5 p. - 5°

Temp. min + 1°; 8 a. 23°; 9 a + 18°; 11 a + 6°; 12 m + 8°

Quite blizzardy and bad all morning.

Rough weather all night.

Two or three days ago Norman trimmed the chief's beard as the latter wanted it, but the chief does not like the effect for it makes him look like a red-headed Jew. Dr. Hunt is having his hair cut short today. Norman is quite a barber, useful in the after cabin.

Wind moderated about noon and Dr. Hunt and I went out about 2 p.m. for a breath of fresh air. The "breath" was too strong for comfort for him and he came back



on board after 20-30 minutes [59]  
of it, but I had on my netscha as well  
as my bearskins so that I was com-  
fortable in spite of the keen and in-  
creasing wind and the wind driven icy  
snow. After  $1\frac{1}{4}$  hour I too had had  
enough. Although the sky was almost  
clear overhead the air was so full of driving  
snow that at times the vessel was com-  
pletely hidden at  $\frac{1}{4}$  mile away. I came  
on board as Charlie was coming aft and  
he surprised me by saying that both  
my cheeks were white. Surely enough  
a spot in each <sup>had been</sup> ~~was~~ frosted by the  
bitter wind. The snow <sup>on the ice</sup> is wet on  
the starboard quarter, the ice being  
bent by the weight of the banked up  
snow.

MacDougal had become well enough  
this afternoon to go to his dinner.

H.C.P. "found" two cases of peaches (60 to-day that he "did not know were there". Hence we had some at dinner. I wonder whether he will "find" anything more. - Heard him say too that there were more vegetables than he thought for - "enough for four years", and Dr. Hunt and I think that there might be at the rate at which they are being used.

Exceptionally fine paraselemae this evening at about 9 o'clock. Three are very distinct in the first ring around the moon and the fourth would be there were it not that the ring is intersected by the surface of the bay ice. Outer ring gives hints of three more.

18 March. Saturday.

Lightly overcast and hazy

with scarcely perceptible SW wind. (61)

Temp. min  $-8^{\circ}$ ; 9a  $-3\frac{1}{2}^{\circ}$ ; 12m.  $-\frac{1}{4}^{\circ}$ ; 3p.  $-4^{\circ}$ ; 6:30  $-7^{\circ}$

The men report the edge of bay ice as being inside, east of, the little islet. Evidently a big slice of the old ice was driven out by the recent heavy winds.

Taylor shot another seal and captain and several of crew spent much time trying to retrieve it from the water. They tried to cut off a cake of ice for use as a raft but were unsuccessful on account of water coming into their trench before they cut it deep enough for breaking off the rest of the way.

From 1 to 3:15 p.m. Dr. Hunt and I were out for a fine walk to the south branch of the Cluett Glacier, the Tongue glacier and the snow drift at the end of the nunatak. Found small clam shell closely related to the Venus of our coast.

6:25. Captain and mate have just

come in from their second trip after <sup>62</sup>  
the seal, with Taylor. They succeeded  
in hooking the jigger into the carcass,  
but the young ice was too strong for  
their line and it parted. They think  
that they can secure <sup>the seal</sup> ~~A~~ tomorrow.

19 March. Sunday.

Clear, beautiful day, thin <sup>high cirro-</sup> <sup>calm</sup> stratus clouds.

Temp. min.  $-9^{\circ}$ ; 9a.  $+1^{\circ}$ ; 12m.  $+5^{\circ}$ ; 3p.  $+5^{\circ}$ ; 5:30p.  $+4^{\circ}$

Mate Davis and some of the men and Pudtlak went out this morning and brought in the seal. Pudtlak went out onto the new ice with a line around his body and harpooned the carcass. Then Taylor with the line around his body went out walking on two barrel staves and cut the ice away around the seal and the other men hauled it out and to the heavy ice and thence to the ship.

Great rejoicing, especially in (63)  
the Eskimo family, who got the blubber, entrails and forelegs with the shoulder girdle.

Between ~~noon~~ and 2:40 Dr. Hunt and I went out for a walk, going to the edge of the old ice where the men secured the seal. Walking good most of the way and day beautiful and almost calm. Found netsha too warm to wear going out with the light breeze and took it off. Put it on again, however, for walking back against the light breeze.

Dinner menu: roast beef, potato-and-turnip, bread, butter, rice with prunes, tea.

Breakfast: fried bacon and eggs, beans, bread<sup>or</sup>.

Gorgeous sunset.

During our walk yesterday Dr. H. spoke of fact that Captain Pickels had invited him to stay on the ship.

as long as he liked and go home on her, (64  
although he (H.C.P.) said that the "Cluett"  
was not obliged by the charter party to  
feed the Crocker Land party on the home-  
ward way. Dr. Hunt raised <sup>with me</sup> the  
question whether this invitation did  
not in itself constitute a violation  
of the charter. It seems to me that  
it does, since H.C.P. did not ask  
me whether the Museum would be  
willing to have the doctor on board  
as the guest of the vessel. Perhaps  
H.C.P. would take refuge behind my  
assurance given on 5 November  
that the Grenfell Asso. of Am. would  
not call him to account for using  
the ship's stores in feeding the Crocker  
Land people, and therefore would  
not think it necessary to speak to me  
about this special invitation. Of

course I am glad to have him <sup>(65)</sup>  
here and I think that the ship under  
the charter was called upon to feed  
us all during whole voyage, includ-  
ing any detention.

20 March. Monday.

Thinly overcast, high cirro-stratus  
clouds ( $C_2$ ) Calm + light S. to S.W. breeze.  
Thickly overcast, hazy evening. Much  
wind last night till 4 a.m. Calm after  
that and 2-3" light, feathery snow  
fell before nine o'clock.

Temp. min.  $0^{\circ}$ ; 9a.  $+2^{\circ}$ ; 12m.  $-2^{\circ}$ ; 3p.  $-1^{\circ}$

Had been down to  $-4^{\circ}$  betw. 12 + 3.

Mate Davis built a punt to-day  
out of new and box lumber. Will  
calk and paint it tomorrow and  
then it will be available for use in  
getting next seal that is shot.

Captain P. brought up a fresh [66  
lot of Greer's Army and Navy Journal  
and Literary Digest, supplying us  
with a welcome lot of reading ma-  
terial, even though dated 1914 for  
the greater part. Mate Davis built  
a punt today out of new and  
box lumber. This will be calked and  
painted tomorrow and then be avail-  
able for retrieving the next seal  
that is shot. Wrenched my right  
leg or got a bad cramp in it as I  
started from cabin for a walk this after-  
noon. Walked a half hour, thinking  
to walk it off but was unsuccessful  
and leg is very painful this evening.

Snowing again at 9 o'clock.

Seal meat at dinner, excellent.

Pinochle 3 games; chess with Dr. Hunt  
3 games; writing and reading.



21 March Tuesday.

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Thinly overcast with high cirro-stratus clouds, but thick low down with driving snow filling the air under a "moderate breeze" (No. 4) from the west. Wind changed to S.E. in late a.m. and increased to 5 or 6. Afternoon was sunshiny but windy and snow drifted till evening when wind ceased.

Temp. min.  $-4^{\circ}$ ; 9 a.  $0^{\circ}$ ; 12 m.  $+1^{\circ}$ ; 3 p.  $+2^{\circ}$   
6 p.  $+6^{\circ}$ ; 7 $\frac{1}{2}$  p.  $+2^{\circ}$

Leg painful and lameness annoying. It was a cramp all right.

Mate Davis calked and pitched the joints of the punt, put on sculling socket and painter and the "Puisse tedixsua" is ready for sea, though she probably will get a coat of paint before she goes into the water.

22 March. Wednesday.

(68)

Beautiful, clear day, calm or with light air occasionally from S.E.

Thin, high cirrus clouds at 9 a.m. but cloudless by 10 o'clock.

Temp. min  $-7\frac{1}{2}^{\circ}$ ; 9 a.  $+\frac{1}{2}^{\circ}$ ; 12 m.  $+3^{\circ}$ ; 4 p.  $+2^{\circ}$

The "Puisse Tedixua" did not get a coat of paint, but the crew dragged her out to the edge of the old ice this morning and then over to the ice foot of the south shore. Young ice too thin to enable the men to get near the open lead to hunt for seals.

Lameness somewhat better this morning and I walked out to a berg a mile from the ship to limber up my leg. Walking is poor much of the way.

Some light still on western horizon at 9 p.

23 March. Thursday. 169

Clear, cloudless and calm at 9 a.m., but strong breeze sprang up from some northerly direction about 10 o'cl. and blew for four hours.

After that light breeze blew out of bay - which I found rather keen on my way back from my hour and a quarter's walk alone. The going was poor but I had to get some fresh air.

Therm. min  $-10^{\circ}$ ; 9 a.  $0^{\circ}$ ; 12 m.  $+9^{\circ}$ ; 4 p.  $+6^{\circ}$   
8:30 p.  $-4^{\circ}$

. Much chess to-day, winning 2 out of 3 from Charlie and losing 2 handicap games to Dr. Hunt. Some work on Martinique, but it is hard to do much that is worth while without <sup>more</sup> books and my collections. I lament the wasted year up here! Best to call the experience a "rest cure", I presume, and get what benefit I can out of it.

About 9 p.m. Ahngmalokto (70) arrived from Cape York alone. He had been delayed by open water off Parker Snow Point, been forced to go around outside of Corrical Rock and then wait for leads to close before he could come in. He brought kamiks for the mate and one of the crew and bear skin pants for Taylor.

24 March. Friday

Clear and cloudless. Light S.W. breeze followed by calm. <sup>Light easterly</sup> wind at noon

Temp. min  $-8^{\circ}$ ; 9a  $+5^{\circ}$ ; 12m.  $+9\frac{1}{2}^{\circ}$ ; 4p.  $+5^{\circ}$

Ahngmalokto, Pudlak and Taylor have gone seal hunting and Ben and Ralph are out for hares. Pingasut's mother and brother are reported to have started on foot this morning for Umanak, car.

rying sleeping bag and food. 171

They live there and seem to have worn out their welcome in this region.

Got in three or more hours good work on Martinique work, nearly everybody being out enjoying the beautiful day.

Was out for an hour or more with Dr. Hunt. Walking poor in middle of bay but good along south side.

The seal hunters got a seal - shot by Ahugmalokto, retrieved in the "Puisse Tedixsa".

25 March. Saturday.

Thinly overcast but sunshiny.

Calm at 9 a.m. Light variable winds and calm afterwards. Ice,  $50\frac{1}{2}$ "

Temp. min  $-9\frac{1}{2}^{\circ}$ ; 9 a.  $+2^{\circ}$ ; 12 m.  $+10\frac{1}{2}^{\circ}$ ; 4 p.  $+3^{\circ}$

Capt. Pickels caught a fox in Norman's trap, which he borrowed and set yesterday.

Skin is good, tho' hair is beginning 172 to come out and fur is becoming lighter in color. Getting late for fur taking. The seal hunting trio went out again today but were unsuccessful -

Out with Dr. Hgunt around head of bay and over to snowdrift glacier on south shore - 6+ miles. The assemblage of great blocks fallen from the <sup>snow</sup> cornice of the glacier is larger and ~~more~~ confused than when I was over some weeks ago. Without seeing the <sup>place</sup> one could hardly believe that the blocks scattered over the ice could have come out so far from the glacier front. Most of them are very solid and firm. Some are 3 ft. cubes and larger -

Pinochle game ended in dispute over Norman's melding before declaring trump. Too much childishness in arctic temper!

26 March. Sunday. 173

Overcast. Thick most of day. Sun partly visible in mid afternoon. Heavy breeze (5-6) from southeast all day except calm from about 1 to 2<sup>15</sup> p.m.

Temp. min  $+2^{\circ}$ ; <sup>9a.  $+12^{\circ}$</sup>  12m.  $+12^{\circ}$ ; 4p.  $+17\frac{1}{2}$

Too disagreeable for spending much time outdoors. Had enough of it between 2:30 and 3:40, when I was out alone on the bay ice near shore north of ship. Dr. Hunt had gotten all the fresh air that he desired in less than a half hour's work on his snow igloo, which was somewhat damaged by the heavy wind. Have spent day mostly reading and resting. Mended three rips in sleeping bag.

Had rabbit stew for dinner. The crew have gotten 19 hares to date and they have been very acceptable to all.

27 March. Monday.

174

Overcast. Thick in morning but haze not so heavy in afternoon. <sup>Calms</sup> or light variable wind - partly from W.  
Temp. min.  $+12^{\circ}$ ; 9a  $+15^{\circ}$ ; 12m.  $+18^{\circ}$ ; 4p.  $+17^{\circ}$

Ahngmalokto started over the ice cap for Akpat on his way to Cape York.

About two good hours on Martiniere work. Can really work on this to advantage only when the cabin is clear after breakfast for a little while.

Out alone, Dr. Hunt being asleep, for walk, going as far as the block point beyond the big gulch. 7 miles of hard work, much of the going being over half hard snow in drifts letting me sink at nearly every step above the ankle or half way to knee. Could see no leads in direction of Cape Dudley Digges. Noted for the



nth time that the ice bergs show 175  
the sky-blue color much more strongly  
in diffused light than on a bright  
sunshiny day.

28 March. Tuesday.

Thickly overcast and snowing at  
9 a.m. and light South wind blowing.  
Wind soon increased to strong  
breez (#5) from the east or south-  
east. Snow ceased falling before noon  
but air was filled with driving snow.  
Very disagreeable.

Temp. min +10°; 9a. +17°; 12m. +16°; 3p. +14°  
6p. +11°; 10p. +8°

Began on St. Vincent work, just a  
year ago to-day I reached Kings-  
town by the "Glen Nevis" from Castries.

Three hours on studying and index-  
ing photos -

Out for a half hour or so alone -

29 March. Wednesday.

[76]

Thin clouds - <sup>high</sup> cirro stratus - in early morning, clearing to cloudless about noon. Light N.E. breeze at 9 a.m., soon changing to E. or S.E. (?) and increasing to gusty, 3 to 5 in strength, making the day disagreeable for walking in spite of its brilliancy and the warmth of the direct rays of the sun.

Temp. min.  $+5^{\circ}$ ; 9 a.  $+5^{\circ}$ ; 12 m.  $+4^{\circ}$ ;  
4 p.  $+3^{\circ}$ ; 7 p.  $+1\frac{1}{2}^{\circ}$

Two hours on St. Vincent work and then cabin filled up, and I soon got on my bear skin pants and Netsha and went out for an hour and a half's walk around the head of the bay and along the south shore. Went alone, since Dr. Hunt did not care to walk in the wind.

Usual pinochle chess and reading after dinner. Then I get my own

warm luncheon soon after 9 o' (77  
clock - To night's menu clam chowder  
with addition of corn and milk, Tea, figs.

Dinner menu: pea soup (good),  
corned beef (too salt and hard to be  
fit to eat, as usual), canned peas  
(good), bread, butter, dehydrated potatoe,  
tea.

Ben slid some hundreds (?) of feet down snow  
slope on south shore, ripped his kamiks but was not hurt.

30 March. Thursday.

Cloudless, beautiful day. Light  
easterly breeze, with stronger puffs and  
calm. As usual, wind varies in  
different parts of the bay.

Temp. min.  $-1^{\circ}$ ; 9a.  $+3^{\circ}$ ; 12m.  $+7^{\circ}$ ; 4p.  $+6^{\circ}$

Two + hours on St. Vincent.

Out with Dr. Hunt around head  
of bay and along south shore to point  
near islet. Ca. 8 miles. Enjoyable.

Wind rather keen northern half of bay.

Dinner: <sup>mutton stew re. +</sup> Canned peaches for dessert!

31 March. Friday. 176

Another cloudless, brilliant day.  
Calm or light variable wind.

Temp. min  $-8^{\circ}$ ; 9 a. +  $8^{\circ}$ ; 12 m. +  $6^{\circ}$ ; 3 p. +  $7^{\circ}$ ;  
6 p. -  $2^{\circ}$ ; 8 p. -  $4^{\circ}$

Used last of sugar at breakfast.

Mate Davis put my snowshoes on my feet for me today and I made my first attempt at travel with that kind of gear. Got along first rate, much better than I expected to. Got shoes to interfering a few times but was not thrown down. Went out alone to point this side of Cape Dudley Digges, 4 + miles from ship, where I was stopped by broad open lead. Far enough anyhow, since it took me more than four hours to walk out and back. <sup>I presented a comical</sup> sight, they say, when I started.

Dr. Hunt tried to reach our cache at Cape Dudley Digges but

was turned back by the same lead 177  
lead.

Norman is trying to reconstruct  
and finish the snow igloo that Dr.  
Hunt began but abandoned on ac-  
count of the stormy weather.

In March min. temp. was not below zero on 14 days  
and noon temp. - " " " " 28 "

1 April. Saturday.

Cloudless. Calm. Brilliant.

Temp. min.  $-10^{\circ}$ ; 9a.  $+4\frac{1}{2}^{\circ}$ ; 12m.  $+6\frac{1}{2}^{\circ}$ ; 7:30p.  $-7\frac{1}{2}^{\circ}$

Charley was sent to "find the key of the keelson".

Egingwah and Erik and their

wives, the baby and Tatiak arrived  
from Cape York this morning, via  
the ice cap from Sukken, where  
they spent last night. Tatiak  
arrived at Cape York from U-  
pernivik on Wednesday, 29mch.,  
having had seven sleeps on Mel-  
ville Bay in crossing from Cape  
Seddon. He must have left Cape

Seddon therefore on 22 March. He 128  
left Upernivik on 14 February and  
was delayed in starting across the  
bay by the numerous storms that  
we had at the end of February &  
during March. An Eskimo ac-  
companied him some marches  
out from Cape Seddon. There was  
much deep snow on Melville Bay,  
and some bad open leads in  
the ice were encountered as  
Cape York was approached. Tatiak  
saw four bears but could not  
go after them.

Tatiak brought me a letter from  
Green, to which was appended  
a note by Tanquary. Conditions  
among the Danes are very adverse,  
food and trading material  
being scanty in supply and now  
being carefully conserved through

fear of shortage next year 199  
on account of the war. Almost  
nothing could be spared to send us.  
Green and Peter reached Upernivik  
on 9 February, having hurried on  
on account of the former's toothache.  
Janquary and Allen arrived there  
on the 11<sup>th</sup>. Green wrote on the 13<sup>th</sup>,  
and the party was going on the next  
day, taking Harrigan as well as  
Pirgasut in it. Apparently every-  
body was well. They caught the south-  
bound regular mail and saw  
no reason why they themselves  
should not reach Holstenborg  
in time for the April steamer to  
Denmark.

Erik got two white whales  
this week (?) near Cape York. This  
indicates much or some open

water in Melville Bay. He and (so  
Egingwah brought some of the  
meat with them. It tastes much  
like narwhal, but seems rather  
somewhat coarser in fiber. The skin  
is decidedly white in color. It is  
not quite as nutty in flavor as  
narwhal skin, and the layer of  
hard white fat is thinner in  
proportion.

~~Photo'd~~ Photo'd Latiak and his dogs. 44.5  
Gave Inetliak 5 yds anorak cloth + pocket knife.

2 April. Sunday.

Cloudless, brilliant. Calm at  
and before 9 a.m. Light breeze from  
the ice cap at 10 o'clock and occasion-  
ally afterward.

Temp. min.  $-11^{\circ}$ ; 7 a.  $-3^{\circ}$ ; 9 a.  $+5\frac{1}{2}^{\circ}$ ; 11 a.  $+30^{\circ}$   
12 m.  $+50^{\circ}$

The Eskimos started on for Umanak,  
getting away from the ship about  
half after ten. They were unable or  
unwilling to take any of our stuff



with them. Tatiak's dogs are 181  
in bad shape, the other men have  
their wives with them, they have  
quite a load of meat and they  
have to go over the ice cap. Took  
photo - <sup>44/10</sup> 44, ~~44~~ of Erik and Ballina  
and their team just before they started.

Two of the crew got to Cape Dud-  
ley Digges <sup>overland</sup> yesterday. They report our  
case of figs &c mashed up and car-  
ried away, but the other things all  
right, being in a better place. Dr.  
Hunt went out with Erik and Ta-  
tiak by kamatik but could  
not find a place to cross the lead.

Had our last hen's eggs at breakfast.

3 April. Monday.

Another cloudless, brilliant, calm  
day, with occasional light air from east.

Temp. min.  $-10^{\circ}$ ; 9 a.  $+5^{\circ}$ ; 11 a.  $+2^{\circ}$ ; 12 m.  $+4^{\circ}$   
3 p.  $+6^{\circ}$ ; 9 p.  $0^{\circ}$  (Had been down to  $-2^{\circ}$ )

Chief put brass patch over hole [82] in lower band. This band was put on a few days after Christmas.

Captain Pickels went overland from the big gulch to middle of Petowik Glacier. He reported feeling or hearing some shocks but saw no falling or freshly fallen bergs and thinks that the shocks were caused by strains due to heat from sun's rays. But may not the glacier be in motion even now?

Went out alone around head of bay to snowdrift glacier and directly back to ship - ca 5 miles. Fine walking in such beautiful weather.

Norman finished his igloo, but it is bowed out in the wall and looks weak.

Chief made rubber center and cut out cover for baseball and Norman wound and sewed it. a pretty good one.

4 April Tuesday.

183.

Still another clear, cloudless, calm day. Brilliant weather. Light air from N.W. on plateau.

Temp. min.  $-7^{\circ}$ ; 9a.  $+3^{\circ}$ ; 12m.  $+4^{\circ}$ ; 4p.  $+3^{\circ}$ ; 7h.  $+5^{\circ}$ .

Discovered today that box was raising 9a.m. Temperature readings  $2^{\circ}$ . Have gone back and subtracted that amount from each 9a.m. reading for past five days.

Went out alone to and up the big gulch and to top of mountain, whence one obtains magnificent view of Petovik Glacier, Wostenholme Island, Ice Cap &c. Many broad open leads are visible. Slopes of hard marble like snow hard to descend safely. Bent helped me down the last 20 ft to the bay ice.

Crew had their first game of baseball. Mate quit pinochle game disgusted at the luck of himself and partner. Absurdly childish!

5 April. Wednesday.

84

Clear, cloudless, calm. Light N or.  
N.W. air on plateau and occasional  
light draft out of the bay. <sup>Strong wind</sup> betw. 1+5 a.m.

Temp. min.  $-11^{\circ}$ ; 9 a.  $-1^{\circ}$ ; 12 m.  $+5^{\circ}$ ; 2 p.  $+10^{\circ}$ ; <sup>4 p.  $+5^{\circ}$ ; 6 p.  $+3^{\circ}$</sup>

Out alone to point near Cape Dudley Digges.  
Collected specimens from big diabase dikes  
and intersecting light gray dike at the big  
gulch. Met Dr. Hunt at the point and  
we walked back together. He had been at  
the cache and moved the barrel, kegs  
and boxes farther up on the rocks after dig-  
ging them out of the ice and snow that  
had gathered on and around them.

Some of the ball players, especially Nor-  
man and the Chief, are lame today, but  
all are at it again this evening, except the  
chief. Metliak and the children  
are much interested in the game.

Poor Pudlak can't see well enough  
to enjoy it.

fresh, green grass is now growing <sup>above</sup> ~~at~~ 85-  
the black rocks at the gulch. Spring  
is coming!

6 April. Thursday.

High cirrostratus clouds and much  
driving snow in air at 9 a.m. High (No 4)  
N.E. breeze, which began before mid-night  
and lasted till about 2 p.m. After  
that clear and nearly cloudless and calm.

Temp. min  $-8^{\circ}$ ; 9 a.  $-5^{\circ}$ ; 12 m.  $-\frac{1}{2}^{\circ}$ ; 2:30  $+6^{\circ}$ ; 4 p.  $0^{\circ}$  <sup>10:30-8</sup>

Out alone after 2 p.m., to cliff front  
of Comer glacier. Cornice of snow  
beautiful. Hundreds of icicles hang  
from projecting layers of ice. Some  
chunks of ice have fallen from front  
during the winter.

Lighter now at midnight than it  
was at noon at winter solstice time.

Norman's snow igloo collapsed to-day

7 April. Friday.

186

Clear, cloudless, calm,

Temp. min  $-13\frac{1}{2}^{\circ}$ ; 9a  $-1\frac{1}{2}^{\circ}$ ; 12m.  $+4^{\circ}$ ; 4p.  $0^{\circ}$ ; 7p.  $-4^{\circ}$

Kolutingwa arrived this morning from Umanak via sea ice to <sup>core</sup> this side of the Petowik Glacier and hence overland. He has lived this year at Netshaloovni. Is on his way to Cape York to hunt bear. Needs some pants. He says that Mac started for Ellesmere Land with five Eskimo men. Ek was still at Etah at last accounts. Captain Corner shot a <sup>small</sup> 2 yr. old bear on the meat cache near the house at Umanak.

I went out alone for 5 mi. walk on the bay this afternoon. On my way back encountered keen outblowing breeze & was glad of my full suit of skin clothing.

Early this evening Egingwa and Erik and their wives and the baby arr. from Umanak. Brought letters from

Captain Comer and one to Dr. St. [87]  
from Mac. which was dated 17 Jan.

Captain Comer went out to read the  
thermometer, spied the bear on the cache  
and rushed back into the house for rifle.

No more coal at Umanak. Heating with  
primus stoves. Hendrik brought some  
boxes as far as Cape Dudley Digges and took  
some back from the cache there. Was to  
come here for coal, but could not on ac-  
count of the big open lead just this side of D. D.

Kolistingwa is one of the ablest of the  
Speaks a few words of English.  
natives. He was one of Dr. Cook's men and  
is one of that man's few friends among  
the Eskimo. Went as far as Cape Thomas  
Hubbard with Cook as a supporting party  
and then turned back. The next year he  
took Cook across Melville Bay <sup>to Isarie.</sup> and to  
suk, whence Cook went by boat to Upernivik.  
~~Upernivik~~. K. has a wife & five children  
and is a grand father. He has lost  
one child. He is unusually thrifty.

8 April. Saturday. Ice, 54" + 188

High, thin cirro-stratus clouds. Rather strong (No. 3) breeze from E., disagreeable more or less hazy + windy all day  
Temp. min.  $-8\frac{1}{2}^{\circ}$ ; 9a.  $-4^{\circ}$ ; 12m.  $-4^{\circ}$ ; 4p.  $-3^{\circ}$ ; 8p.  $-9^{\circ}$

In spite of the disagreeable weather, the three kammatiks started for Cape York over the sea ice about 11 o'clock. Since they have not returned at 12:30, it is probable that they got past Parker Snow Point all right.

Gave Inetliak box of talcum powder for the expected baby. She was much pleased. The Eskimos like powder and perfumery and scented soap.

Out alone for three mile or more <sup>(1½ hr.)</sup> around head of bay. Windy and cold. More Kooletah as well as bear skins.

9 April Sunday -

Clear, cloudless & nearly so, calm



and occasional light air from E. or S. E. [89]

Temp. min  $-14^{\circ}$ ; 9a.  $-4^{\circ}$ ; 12m.  $0^{\circ}$ ; 2:30,  $0^{\circ}$ ; 5p.  $-3^{\circ}$

Out to Cape Dudley Digges with Dr. Hunt, except last half mile with Framer and Pudlak over glassy black ice ending with about 200 yards over rough white ice.

The black ice seemed very ticklish at first and it did bend under us sometimes, but it was hard and 5 or 6 inches thick, hence safe enough.

Dotted with clusters of beautiful platy crystals of ~~frost~~ <sup>salt</sup>. Brought back some

of the things (malted milk, soup, tobacco etc) from the box which Hendrik brought down from Umanak on Friday. Captain Pickels, Ben and Taylor(?) went out too.

Crossed the black ice with Dr. Hunt and Ben but then dropped behind, not caring to walk as far as they did even with their loads.

A good ten miles, with some bad footing in softish snow.

H.C.P. gave a characteristic (90  
exhibition of his temper or disposition  
at the Cape Cache. The box from Umanak contained some Magic yeast cakes, which Dr. Hunt, handing a package to the captain, said that Ek had sent down for the cook. "Of what damn use are those?" blurted the captain. Dr. H. replied that the cook had told Ek that he (cook) needed them. "What the hell does he know about it? We've got lots of 'em", snapped H.C.P. and impatiently tore the cakes out of the tin box and threw them out onto the ice. "For Christ's sake don't do that," said Dr. H., "Don't throw good stuff away. We need them, if you don't." H.C.P. then sent Ben down onto the ice to pick

up the cakes. Nice way to receive and acknowledge a courtesy that had cost us some trouble! No thanks, - nothing but abuse; and no apology!

Kashingwa arrived at the igloo this evening. Lives this winter at Kiatek

10 April. Monday.

Clear, cloudless. Light N.E. breeze at 9 a.m., increasing to heavy wind by 11 o'clock. Keen and disagreeable. with lower air filled with driving snow.

Temp. min  $-20^{\circ}$ ; 9 a.  $-3^{\circ}$ ; 12 m.  $-5^{\circ}$ ; 4 p.  $-14^{\circ}$ ; 7 p.  $-11^{\circ}$

Kashingwa came over to get Dr. Hunt to treat his left forefinger which had become infected through a cut. The finger was much swollen and very painful. Dr. cocaineized and lanced it. The man had tried to lance it himself, but without much success, so he came down here all the way from Kiatek to the Dr.

Wind increased to gale (7 to 8) after (92 noon. Air full of driving snow. Cold and disagreeable. Staid on board all day. Much chess with Dr. H. and Charlie. I win one game in three, usually. Norman is suffering badly from rheumatism in the leg that was frost bitten on 29 Feb.

11 April. Tuesday.

Clear, cloudless. Calm until evening, then came some N. wind.

Temp. min.  $-17^{\circ}$ ; 9a.  $0^{\circ}$ ; 10a  $-2^{\circ}$ ; 12m.  $0^{\circ}$ ; 4p.  $-4^{\circ}$ ; 9p.  $-8^{\circ}$

The gale was not from right direction to break up the ice near Cape Dudley Digges and I had a fine walk out there and back, alone, except for ride of about a half mile with Pudlak and Inetliak on Kashingwa's kamatik and back for about a half

mile from the cape with Pudlak [93  
across the glare ice. That was fine!  
He stopped near the black point to go up  
to his traps, where he was to meet Inethiak  
and I walked on in. Ben <sup>(w. shot gun)</sup> shot a  
fine almost black fox today at  
the cape. My walk was a good 9 miles.

Saw ivory gull (or falcon?) <sup>Frander saw it</sup> Saturday

12 April Wednesday.

Clear, cloudless, calm. A brilliant  
day. Temps min.  $-12^{\circ}$ ; 9 a.  $-3^{\circ}$ ; 12 m.  $+3^{\circ}$   
4 p.  $-3^{\circ}$ ; 8 p.  $-12^{\circ}$ .

Out with Dr. Hunt across big  
glacier (which had better have the  
name George B. Cluett Glacier  
instead of the other one) to the large  
moor-like valley at its south side.  
Interested in the moraines of gray  
gneiss, silt in large quantity in  
the debris piles at terminal edge  
of ice above. Saw no erratics except

those of gneiss. Considerable rose 194  
quartz in small stringers and pieces.  
One area of hard snow 3 or 4 yds square  
shows beautiful wind ripple marks  
as sharp as those common in sand.  
Moat shows vertical wall of stratified  
ice facing the mountain side, effect  
of wind against the mountain. A few  
fragments of rock have bombarded down  
the mountain slope and become im-  
bedded in the face of ice. Slid down  
two snow slopes. Older snow looks  
and feels like marble and is danger-  
ous on a slope. Had to turn back for  
 $\frac{1}{4}$  or  $\frac{1}{3}$  mile on account of steep hard  
snow slope 10 or 12 feet high which we  
did not care to slide down on account  
of rocks at the bottom. <sup>Silt wet with  
melting snow  
in one little spot.</sup>

H.C.P. gave Inetliak his bath  
robe this morning. She was much pleas-  
ed of course but looked funny enough in it.

13 April. Thursday.

1957

Clear, cloudless, calm.

Temp. min  $-17^{\circ}$ ; 9a.  $-1^{\circ}$ ; 12m.  $0^{\circ}$ ; 2p.  $+2^{\circ}$ ; 9p.  $-12^{\circ}$

Pudtlak and family left at 12:40 to-day with their movables packed onto two kamatiks, one being Pudtlak's which the crew have been using for ice etc and the other Kashingwa's. Kashingwa let Pudtlak take five of his <sup>12</sup> dogs and P. added three of the four seven months old puppies to make up a team. It was an odd team all right and the puppies made a great fuss at starting. They wanted to stay at the ship, but the whip and the other dogs finally persuaded them to go on, and the outfit disappeared in the distance. The other puppy was left behind; it is Alakutsiak's.

Photos. 46-1, 8+04 Packing kamatiks beside the meat cairn on shore.

46-2, 8-04. ~~Kashu~~ The igloo with 96  
Pudtlak, Inetliak and the children  
standing at the entrance.

46-3, 8-02. Kashingwa starting  
from the edge of the ice foot.

46-4, 8-02. The two kamatiks start-  
ing from beside the ship at 12:40.

Inetliak gave me a little stone  
dish "from Merku". I got Pudt-  
lak's old ivory (walrus?) ~~sent killer~~  
or harpoon stock in exchange for  
about a pound of tobacco. It is a  
very old one and will make a good  
companion specimen to the bone  
and ivory harpoon that Ekblaw got.  
The kamatiks were heavily loaded ~~but~~  
the motley assemblage of things <sup>would have</sup> looked  
meagre beside what an American  
family of five would have on moving.  
Some things were left behind, but Al-



Kutziako is coming down soon. 197

Inetliak is going to be confined at Kiatak. Kashingwa's wife is Pudtlak's sister. We shall miss the family and I am sorry to have them go, but there will be less drain on the ship's food supply. [Ootah told us ~~how~~ where ~~there~~ they are in his igloo at Keatek]

Mate started and nearly finished a sledge to take the place of Pudtlak's, using one of the planks that I brought up and a board from the after house.

Three mile walk alone on bay.

14 April. Friday.

Clear, cloudless, calm except for very light N. wind drawing across ship at 9 a.m.

Temp. min.  $-19^{\circ}$ ; 12 m.  $0^{\circ}$ ; 3:30 p.  $-2^{\circ}$ ; 9 p.  $-12^{\circ}$

Mate finished his kamatik and the crew brought in first load of ice in it this morning. Pretty good sledge though <sup>heavy</sup>

Out with Dr. Hunt for 8-mile [98  
walk around head of bay and along  
south shore nearly to islet and back.  
Superb weather and good walking. He  
thinks that <sup>perhaps</sup> I had better go home on  
the "Christ", if the new steamer  
does not arrive before the schooner  
breaks out of the ice and if there  
seems to be ground for fear that a  
second relief ship will not come.  
We are in a serious quandary. There  
is no doubt in my mind that a  
second vessel will be sent up this  
summer, if my message gets  
through to the Museum - and that  
is sure to go through unless Den-  
mark is now in the war and the  
"Hans Egede" does not come to Hol-  
stensborg this month. What is  
best to be done, I wonder?

15 April Saturday.

199

Clear; cloudless till late a.m. +  
then C 1; Calm, W. at 9a + S.E. 1 in p.m.  
Temp. min.  $-17\frac{1}{2}^{\circ}$ ; 9a.,  $0^{\circ}$ ; 12m.  $+3^{\circ}$ ; 3p.  $+7^{\circ}$ <sup>8p.  $-4^{\circ}$</sup>

At 10:45 Dr. Hunt and Mate  
Davis started up mt. <sup>on</sup> wh. Mr. Ekblaw  
and Capt. Pickels placed a cairn <sup>in</sup> Feb. 12  
February and wh. Dr. H. and I climbed  
on 27 February. Then I estimated  
the elevation at 2500 feet, but was  
greeted with so much scorn that  
when the others made their <sup>advance</sup> guesses  
to-day at: H.C.P. 1200', Dr. H. 1175',  
Mate 1250', Norman 1500', Chief 1100',  
I got cold feet and reduced my  
guess to 2000'. Dr. took my Mu-  
seum aneroid with him to-day  
while I kept half hourly tabs on the  
ship's aneroid. The two men re-  
turned at 2:25 and Dr. Hunt's

record showed that my aneroid 100  
made the elevation to be 2300 feet  $\pm$ .  
They found it cold on the mountain, with moderate but keen wind from east. No open water or big leads in sight.

I got in some time on St. Vincent work while attending to the readings. Also read "Deserted Village", "Elegy in Country Churchyard" & "John Gilpin's Ride". Went out for about a half hour just before dinner. Magnificent evening strong twilight and moon nearly full.

16 April. Sunday.

Clear, high thin cirro stratus clouds more or less all day, lt. S.E. wind at 9 a.m. changing to S.W. before noon.

Temp. min  $-7^{\circ}$ ; 9a.  $-2^{\circ}$ ; 12m.  $+1^{\circ}$ ; 2:30p.  $+1^{\circ}$ ; 7p.  $-5^{\circ}$

About noon Dr. Hunt photod

me beside ice cake near ship (101

46,5-8,04. Full costume for cold weather walking (calm) - woolen cap, netsha, seal skin mittens, bear skin pants, kamiks. Now when moderate breeze is blowing I put netsha hood over my head and the cap on top of that to protect my forehead.

46,6-8,04 Full costume for cold weather sledging - kooltah, bear skin mittens, bear skin pants, mansaks, kamikpaks of deer skin (covering ordinary kamiks). Did not hold my fox tail face protector or carry <sup>my</sup> deer skin muff, both of which were provided for use against the cold wind that might have been encountered on Melville Bay.

Out to big gulch and back alone. <sup>4 mi.</sup>

The southwest wind was keen tho' light.

Capt. P. had his beard shaved off today.

17 April. Monday.

102

Overcast all day - thinly so with abundant cirro stratus clouds at mid day - Light to moderate S.E. breeze.

Light <sup>fine</sup> snow or frost falling all day.

Temp. min  $-10^{\circ}$ ; 9a.  $+7^{\circ}$ ; 12m.  $+12^{\circ}$ ; 12:30  $+14^{\circ}$

8p.  $+10^{\circ}$ .

Did not sleep well last night or night before - Too much thinking. Better perhaps to be an Eskimo in attitude of mind - nothing seems to bother one of the natives.

Out with chief as far as the big gulch and back, 4 miles. Light is really more trying to the eyes ~~than~~ <sup>on</sup> these frosty-aided, hazy days than on a bright, clear day. He says that H.C.P. wonders what I am talking about when I am walking with one of the officers or conversing with one of the crew. He (H.C.P.) seems to think that I am trying

to "get something" on him, but that 103  
is entirely foreign to my wishes.

18 April. Tuesday.

At 9 a.m. <sup>nearly</sup> clear overhead but hazy lower  
down, air being full of icy snow driving be-  
fore a "moderate" (4 or 5) Easterly breeze  
which seemed pretty strong to a landlubber.

Wind became more northerly and colder in  
the afternoon. Some light frosty snow in air.

Temp. min  $-7^{\circ}$ ; 9 a.  $-4^{\circ}$ ; 12 m  $-1^{\circ}$ ; 1:30 p.  $0^{\circ}$ ; 8:30 p.  $-4^{\circ}$

Too much wind for comfortable walk-  
ing, hence staid on board all day.

Went down into fore-castle and contra-  
dicted flatly a story which I heard this a.m.  
to the effect that <sup>the crew were saying that</sup> I had held or turned back  
from Umanak tobacco which Mac Millan  
sent down to the ship. Small things loom  
large in the Arctic and troublesome ru-  
mors start on little or no foundation. The

crew are much disturbed over the 104  
impending tobacco famine. Dr. Hunt  
told the chief last Thursday that we  
should not be blamed if we considered  
it necessary to conserve our tobacco for our  
own needs, because the captain can get  
plenty from Peter in exchange for some  
of the foxskins which he (H.C.P.) has gotten  
in trade for his own tobacco and other things.  
But no one of us has yet refused to let H.C.P. have  
tobacco -

About 9 p.m. Kolutingwa arrived  
from Cape York, where he got a polar bear  
which he brought with him.

Average temp. Oct. day,  $+20^{\circ}$  F.

Nov. mins  $-2\frac{2}{3}^{\circ}$  <sup>+1</sup>; noons  $+4\frac{2}{3}$ ; Dec. mins  $-6.15$  <sup>-3\frac{1}{2}</sup> noons  $-8.2$   
Jan mins <sup>(20)</sup>  $-17.2$  <sup>-13</sup> noons  $-8.8^{\circ}$ ; Feb. mins  $-18.2$  <sup>-17</sup> noons  $-15.9$   
March mins  $-1.8^{\circ}$  <sup>+3\frac{1}{2}</sup> noons  $+8.8^{\circ}$ ; Apr. mins  $-6.27$  <sup>+1</sup> noons  $+8$

19 April. Wednesday

Clear, cloudless, calm. Not so bright.



hant, however, as it is sometimes - 105

Temp. min.  $-12^{\circ}$ ; 9a.  $+4^{\circ}$ ; 12m. ; 3:15p.  $9^{\circ}$

3:45p.  $+7^{\circ}$ ; 6p.  $+5^{\circ}$

Out with Dr. Hunt to cache at Cape Dudley Digges. Sat on rocks for an hour and more waiting for Kolintangwa. Keen, moderate N. breeze blew occasionally, making exposed places cold. Warm in sun. Thin snow on black rocks melting under direct rays of sun. At 1:40p. started back alone and met Kolintangwa near the black point. His kamatik was heavily loaded with bear meat and skin, boards from his old igloo at Akpat and a new one from the ship and sundries, but he had ten good dogs and was moving along. He stopped to speak with me, shake hands and say "Goodbye," in English. Dr Hunt followed me in and reported that K. had taken on a barrel of flour at the cache. At 9p. sunlight still touching tops southern mts.

20 April. Thursday.

106

Clear + cloudless; light, variable wind mostly from west. Occasional keen strong puff. Temp. min.  $-14^{\circ}$ ; 9a.  $+8^{\circ}$ ; 12m.  $+11^{\circ}$ ; 4p.  $+5^{\circ}$ ; 8p.  $0^{\circ}$ ; 9 $\frac{1}{2}$ ,  $-4^{\circ}$

A lovely day and I went to top of crag abreast of schooner to get its altitude by aneroid. Average of up and down readings 797.5 feet, hence call the value 800 feet. Trip of about three miles between 2:15 and 4 p. m., alone. Beautiful view, horizon being clear. I could see nothing but ice as far as I could judge. Taylor of crew says he discerned open lead outside of Conical Rock. Saw rabbit tracks. Met Frander on the plateau.

Dr. Hunt got a piece of white-whale skin from Kolutingwa. We had some this evening, frozen and boiled. I preferred the frozen <sup>and baked</sup>. Had polar bear meat, boiled, for dinner. Very good, not being cooked over much.

21 April Friday.

1107

Overcast with cirro cumulus clouds at 9 a.m. but cleared off almost entirely before noon. Calm, + light variable <sup>wind</sup>.

Temp. min  $-12^{\circ}$ ; 9a  $+5^{\circ}$ ; 12m.  $+10^{\circ}$ ;

2p.  $+11^{\circ}$ ; 4p.  $+10^{\circ}$ ; 8p.  $+2.5^{\circ}$

Some St. Vincent work under adverse circumstances, etc. company in cabin.

Out alone for an hour and a half around head of bay - about 4 mi.

This evening Dr. Hunt gave up and turned in with the stomach ache, - apparently too much white-whale skin. Dosed up with peppermint by H.C.P.

Norman continues to have great trouble with stiffness, swelling and pain in one leg, but not the one that got frosted. Dr. says that perhaps it is phlebitis - H.C.P. is sure that it is rheumatism.

I wonder whether it may not be scurvy.

Sun is rays on eastern and southern mountains after 9 p.m. Hazy at 9:30

22 April. Saturday. 108

Clear, cloudless most of day, calm.

Temp. min  $+1\frac{1}{2}^{\circ}$ ; 9a.  $+16^{\circ}$ ; 12m.  $+18^{\circ}$ ; 4p.  $+16\frac{1}{2}^{\circ}$ ; 6p.  $+6\frac{1}{2}^{\circ}$

Took Mate Davis for ~~seven~~<sup>eight</sup>-mile walk  
across both glaciers and onto the former  
nunatak, photographing and taking  
altitudes. At 11:15 a. sea level, aneroid 110',  
foot of big ("Cluett") glacier 11:45, 310' = 200';  
first crest of glacier 12:10, 860' = 750';  
second crest (Hunt's station?) 12:45, 1010' = 900';  
level with bottom of moat 1:05 p., 1240' = 1130';  
saddle leading to Cairn Mt., 1:25 p., 1680' = 1570';

East nose of former nunatak,	2:25 p.	540' = 430';
top of " "	2:40 p.	660' = 550';
base of " "	3 p.	190' = 80';
sea level	3:23 p.	110'

47-1-8-02 Furrows and ridges in upper  
surface of glacier at crest as seen from ship,  
which is 900 ft. A.T. by aneroid. 12:45 p. m.

These are longitudinal with reference to glacier.  
and are probably a result of wind action.

47,2; 8,04. Moat between first eastern

lateral mountain and the glacier.

Southern side of glacier.

Produced by wind caroming from moun-

tain during snow storms or much <sup>109</sup>  
deposition. Taken from glacier at  
1130 feet A.T. on level with <sup>bottom of</sup> upper portion  
of moat.

Ahugnodablako, Egingwah and  
Erik arrived about 4:30 p.m., hav-  
ing come up to take Pudlak and  
family northward. Twelve bears  
have been gotten this winter in  
hunting from Cape York.

Cook's name for the old man  
is "Old Blowhole".

Dr. Hunt examined my heart - this  
evening. Same as at first he says, with accentua-  
tion of systole and muscular <sup>muscles</sup>.

23 April Easter Sunday. <sup>Says I must  
avoid exposure  
to high wind</sup>

Clear and cloudless; calm with oc-  
casional puffs light wind blowing out the bay.

Temp. min. +2°; 9a +18°; 12m +18°; 6p +15½°.

The three Cape York men started about  
10 a.m. for Umanak with Dr. Hunt's  
baggage and took on the supplies at

Cape Dudley Diggs except a keg of 110  
molasses and two tins of butter. Dr. Hunt and  
I started out about 9:45 and walked as  
far as the big gulch before the kam-  
tik overtook us. Then he jumped onto  
Ahngnodablah's kamatik and went  
on his way to Umanak and I was aw-  
fully sorry to have to say good-bye to him.  
I walked on alone as far as Broken Rock  
Point and then back to the ship - 7 miles.  
About 2:30 p.m. Kudlukter and Puad-  
lunah arrived from Umanak bringing  
meat and letters from Ekblaw. They  
met Dr. Hunt at or near the cape.  
Kudlukter speaks a little English.  
They came for the supplies and will take coal  
back. They have five teams of 17 + 14 dogs.  
Excitement was not over, for about  
5:30 we saw three kamatiks approach-  
ing from Cape York. Jumped to the con-  
clusion that it was Peter and the two

Eskimos from the southbound party. 1111

So I started out to meet them and the Chief ran out and overtook me, and we intercepted the first two kamatis near our ice-supply berg. But it was not Peter. It was <sup>(Stukasuk) Metik</sup> Innotok and Mitke from Cape Seddon and Ahngunalokto with his wife and three children from Cape York on their way to Umanak to trade. Innotok (Stukasuk?) got a bear on the way across Melville Bay. A long journey for trading! There are about 70 dogs on the ice beside the ship. Number of narwhal tusks, one at least 8 ft long.

24 April. Monday.

Clear and cloudless. Calm, or light variable wind - E. at 9; W. at 10 &c. 8 p. + 16°

Temp. min. +10°; 9 a. +18°; 12 m. +20°; 3 p. +24°

The rowboat was put out onto the ice, the main hatch was opened and fourteen

bags of coal were hoisted out and 112  
turned over to the men to take to Umanak.

Kudluktu took 8 and Puadluna  
6, the former took <sup>also</sup> a box containing  
evaporated milk and the griddle iron,  
so that both kamatikis were well loaded,  
getting under way about 11:30 a.m.

47-3; 8.04. Kudluktu's kamatik  
and dogs about ready to start.

About 11:15 the crew began cutting  
out the ice around the rudder.  
This will be quite a job and it must  
be done before there is any danger of  
movement of the vessel or the surround-  
ing ice, and before the coal can be pushed  
ashore -

About 11:30 I started out to photo-  
graph the big Bird cliff. In a few minutes  
Puadluna overtook me. He moved for-  
ward on his kamatik to make room



for me, so I jumped aboard and 113  
rode out to the cache at Cape Dudley Digges.  
As far out as the gulch there was considerable  
rather soft snow, but I enjoyed the ride, es-  
pecially after we reached the smooth new  
ice a mile this side of the Cape. Some nar-  
row open leads at the Cape show that the  
ice is sure to go out with the next S.E. gale,  
especially if it comes with the high tides.  
Itukasuk (Imcotok) and Nite went on  
in company with the Expedition's men.  
I started back bravely with my 20+ lb.  
load of malted milk and did not stop  
to rest until after reaching the old rough  
ice. After that stops became more fre-  
quent and my load became so heavy that  
I was glad enough to hand it over to  
Taylor who came out from the schooner  
and met me 150-200 yards from my  
destination. My work was unnecessary.

because Ahmagmalokto would have 114

been glad to take me out and back, but I did not think of asking him to do it!

47.4; 8:04 Pinnacle of Bird Cliff west of the gulch. Should show sea-grotto elevated about 60 feet above the sea.

47.5; 8:02. Grounded ice berg and its ice foot.

Bear steak fried just right & with onion gravy for breakfast and good baked seal for dinner make the day memorable in the food line. We now have two seals and a quarter of bear

25 April Tuesday.

Clear and cloudless, but windy. - light to strong from E.S.E or S.E.

Temp. min +3°; 9a. +24°; 12m. +23°; max +30° 6p. +15°

Crew continued work on ice about rudder. They found the ice to be not more than three feet thick and there-

fore broke through it unexpectedly. [115]

The hole of course immediately filled with water, which hindered work and made it very uncomfortable, though Ben did not seem to mind sitting on a plank with his legs immersed nearly up to his knees in the icy liquid.

47-6. 8-02 Crew at work cutting out ice about the rudder.

So windy that I staid on board.

Charley under Captain Pickels's direction took all packages and goods out of the lazarette and began scraping off and removing the frost-accumulations of the winter. H.C.P.'s charts have not been improved by staying in there. Expedition records and films were at once put down into the run, also the narwhal tusks (3).

About 5:30 p.m. Mene and Ahng

116  
Nodablahs arr. from Umanak  
having left there at 11 this morning.  
Leads opening off end of Petowik glacier.  
Mene brought down two small boxes  
netting nine pounds of tobacco, but  
it is Battle Ax and Norman and  
the chief are greatly disappointed.  
Norman has been extremely insulting  
in his remarks about it and about  
my fancied connection with the  
transaction, Norman saying that  
I had hindered its coming down,  
whereas the contrary is true. He is  
a regular trouble maker and seems  
to think that everybody is trying to "do"  
him - Tobacco sold to Captain Pickels  
for \$3<sup>15</sup> + credited to Etc's Exped. account.  
Captain Pickels told me today that he  
had supplies enough for the probable  
remainder of the voyage, - among

other things 3 bbls of flour besides 117  
that now open, 7 cases of six tins each  
of the canned fresh meat, plenty of salt  
beef and pork, at least half a cask of mo-  
lasses besides the keg gotten from Ex Fed -  
Biscuit are almost exhausted and  
beans are low, but there are plenty of peas.  
The barrel of corn meal gotten from me is  
all right.

Ahngmaloteto and Aiona (his wife) and  
children returned to Cape York this morning.

26 April. Wednesday.

Clear, cloudless a.m. + cirrostratus p.m.

Light E. wind at 9 a. afterward calm + variable.

Temp. min +5°; 9 a. +17°; 12 m. +18°; max +33°; 4 p. +15°  
8 p. +6°

Ahngnodablaho left early for Cape York -  
the old man is certainly energetic!

Mene got away at 11 o'clock with kamik  
grass, a box of <sup>100 lbs ± of</sup> corn meal, and gallon of

vinegar from ship. I rode out to Cape  
Dudley Digges with him and he took thence

the last of the supplies there - a keg of 118  
molasses, 2 tins butter, cases of canned peas  
and some small boxes of yeast cakes. Was  
glad to see the last of that stuff go -  
Returned overland from the cache as far  
the Big Gulch and thence ~~on~~ bay. a  
beautiful walk it was over the hills,  
but rather hard and fatiguing. I  
could make out no open leads. Petowik  
glacier presented a fine sight with its light  
blue edge and top. It seems to me that  
the glacier does not project into the  
sea more than two miles from the head  
land on its southern side, but Captain  
Pickels estimates the distance at 3 miles.

Crew removed banking from  
southern side of vessel to-day but  
did not finish cutting out the rind-  
ler. They complain of having to  
work on short rations.

Egingwah + Erik arrived at 9:15 p.m.  
from Umanak

Wene confirmed the truth of the rumor (119)  
that Alakotiak (not Alakutsiak as  
Peter calls it) has gotten married. The  
boy has gotten a walrus, so that he is in  
comfort on his honeymoon. Living  
at Kaskah, I understand.

27 April Thursday.

Clear overhead but lower air thick  
with driving snow. S.E. wind began  
to blow heavily about 4 a.m. and was a-  
bout 4 of Beaufort scale at 9 a.m. accord-  
ing to H.C.P. To the landsman the wind  
seemed stronger than a "moderate breeze".

Wind decreased in afternoon & there were  
some high cirro-stratus clouds in the sky.  
Overcast & rather thick at 4 o'clock  
Temp. min. +2; 9 a. +4; 12 m. +6½; 4 p. +9; 6 p. +9°

On Board on account of wind till  
after dinner, then went out for an hour  
(3 mi) around head of bay, the wind

Having practically ceased. But (120)  
it was thick and "murky overhead" and  
rather damp and chilly, with temp +90  
Seven of the crew with Egingwah and  
Erik were playing scrub base ball  
on the ice. The Eskimos throw like a  
woman and don't get a clear idea  
of the game, but they seem to enjoy  
playing and they are lots of fun. De-  
pression settles over the ship on a  
day like this and all troubles are  
magnified. Egingwah and Erik brought  
a fine young seal to us yesterday,  
so that now we have three seal car-  
casses hanging in the main rigging.  
Hence the captain is saving his beans  
and giving us Nanuk steak for oft-  
and prize for dinner - and some  
of the crew kick because the beans are  
cut out. The fore-castle crowd like



Their meat more than well done, while <sup>1/21</sup>  
the Mate, Chief and I like it rare or me-  
dium, which is another source of dif-  
ficulty and the fore peak usually wins  
out over the cabin, being on the spot  
while the cooking is going on and  
old Nathan being afraid that the stuff  
will not be "done" in time. This evening  
we had seal meat boiled to the after  
cabin taste and it was fine. The  
captain eats neither seal nor bear  
meat, hence his breakfasts have  
been pretty light this week.  
H.C.P. is trying to catch a live fox now  
to take home with him.

28 April Friday.

Overcast, thick. Wind (of 4 or 5) still  
blowing, apparently from N.E. or N.  
Lt. snow falling + much drift in air.

Temp. min.  $+1^{\circ}$ ; 9a.  $+13^{\circ}$ ; 12m  $+16^{\circ}$  122  
4p.  $+19^{\circ}$ ; 7:30p.  $+19^{\circ}$ .

Captain reports quite a gale as blowing  
about 2 o'clock this morning.

Erik and then Egingwah started for  
Cape York between 10:15 and 10:20 in  
spite of the storm. They said that the wind  
would be at their backs, hence they must  
consider it to be from the north.  
Dog food is out and they are afraid that  
the leads will open up again.

Dismal day - Cabin company depressed.

Regular blizzard raged all afternoon,  
though sun was trying to shine through  
the haze of drifting snow. By mid af-  
ternoon feathery snow was falling  
and storm was bad. Wind S.E. at vessel.

29 April. Saturday.

Overcast and thick, though sun  
tried to shine through the haze about

midday. Blizzard continues (23)  
to rage, there being no lessening  
in the force of the wind at 10:30 p.m.  
From 2 to 4 this morning it blew  
a "full gale of wind" according to  
Captain Pickels.

Temp. min.  $+19^{\circ}$ ; 9a  $+22^{\circ}$ ; 12m.  $+25^{\circ}$ ; 6 p.  $+22^{\circ}$

On board all day on account of  
storm. Such weather is dismal & depressing.

30 April Sunday.

Heavy storm continued to rage  
till late afternoon. Much heavy wet  
snow fell. Temp. min  $+22^{\circ}$ ; 9a  $+31\frac{1}{2}^{\circ}$ ; 12m.  $31\frac{1}{2}^{\circ}$   
2 p.  $+33^{\circ}$ ; 7 p.  $+25^{\circ}$

On board all day on account of  
storm. Third day of confinement.  
Seems to be clearing this evening.

Taylor came in from his traps reporting  
that the ice had gone out at the islet  
and beyond, Extending the lead north-

ward, this would bring the open (124)  
water to a line about  $2\frac{1}{2}$  mi. from the  
ship. Got our coal and supplies  
around to Umanak just in time!  
He wonder where Egingwah and Erik  
are. Fried seal meat for breakfast  
and boiled seal for dinner - no  
beans for a week ~~on shore~~.

Temp. av. for month -

First 21 days mins.  $-12^{\circ}$ ; noon  $+3^{\circ}$   
30 " "  $-6.27^{\circ}$ ; "  $+8^{\circ}$

1 May. Monday.

Clear overhead. C<sub>2</sub>. Wind E 6 feeling  
lower air with driving snow. Better at noon  
when H.C.P. said that wind was W.S.W.

Temp. min  $+18^{\circ}$ ; 9a  $+26^{\circ}$ ; 12m  $+30^{\circ}$ ; 4p  $+32^{\circ}$ ; 8p  $+33\frac{1}{2}^{\circ}$

Out between 2 and 4 for walk of five mi.  
including snowdrift glacier, where noted  
enlarged and sharpened cornice of snow  
projecting at least 15 ft from face of glacier

H.S. P. was out along north shore 125  
after dinner and came in at 8 o'clock say-  
ing that he had seen 16 large white gulls  
(burgomeister?) besides lots of snow buntings.

This afternoon the chief put a second brass  
patch on the stove on account of holes burn-  
ed through the brass bands. The stove is be-  
ginning to look like the mate's trousers,  
for repairs made on it.  
Snow drift rises a foot above the port  
rail amidships.

2 May. Tuesday.

Clear. C 2. E or S.E. 6-7 + gusty.

Temp. min.  $+25^{\circ}$ ; 9a.  $39^{\circ}$ ; 12m.  $39^{\circ}$ ; 2p.  $40^{\circ}$ ; 4p.  $39^{\circ}$

The strong wind has been warm and  
the snow has melted a lot to-day.

This morning the crew cleared snow from  
the deck and the vessel looks more ship-  
shape. Thawed out pump with salt and  
pumped her out. Fine odor from the bilge  
water, which has rotted for about seven  
months! Chief went ashore and got

a five-gallon can from a little stream 126  
pouring over the shore cliff from the base of  
a snow bank. Mate followed suit.  
Seems good to see running water again  
after seven months of solid frost.  
But we shall have some more cold weather  
before melting begins with real activity.  
Went ashore and walked for an hour  
on land and on the bare ice of the bay.  
Wind too strong and snow too soft for enjoy-  
able walking. Ahnguielot's propped  
an old door against the window of the  
igloo, which had been broken by the puppy,  
but he left a hole <sup>in</sup> through which  
snow drifted <sup>in</sup> during this last storm.  
H.C.P. had the doorway of the forward  
house opened up and door removed.  
Midnight sun due to-night.

3 May. Wednesday.

Overcast and rather thick to  
thick. Little wind. Moderate E in am.

Westerly and variable to calm in p.m. [127]

Temp. min 28°; 9a 34°; 12m. 34°; 5p 30°; 9h. 30°

At 9 a.m. Norman called down the companion way that Peter was along side, and surely enough there he was. Looking fine and with his dogs in good condition considering their long journey. He was followed shortly by Pingasut and Harrigan and not long afterward by Egingwah and Ahluddlingwah. They left Cape York yesterday morning and slept at Akpat. Open water off Parker Snow Point forced them to come over the ice cap from Akpat (Sutken). Egingwah is going to live at Umanak or north of there to hunt walrus.

Peter and his Eskimos turned back from Green and company two marches south of Umanak leaving on 5 March, leaving our men in the care of Mr. Balla, high priest of north Greenland, who was returning to his home at Egedesminde. This was most fortunate for all parties concerned, since Peter could not have gotten back till late summer by steamer, if at all this year, if he had been obliged to go any farther. As it was, he had some trouble coming up on account of poor ice conditions. Naturally a great load has been lifted from my mind by this safe return with good reports from Green and Sangman. The journey has been much more expensive than Peter estimated in advance that it would be, but that is a frequent experience in traveling. Peter brought tobacco for the crew as well as for me, hence I might have saved myself my discussion w. H. C. P.!

Crew removed banking from port side

4 May. Thursday -

128

Clear, cloudless or nearly so, calm.

10:30, 36°

Temp. min. 26°; 9a 37°; 12m. 38°; 4p. 38°; 8p. 30°

Crew removed forward shelter house and the schooner begins to look more like a vessel. Chief and helpers repaired rudder head band with chain under H.C.P.'s direction.

Had discussion with captain over removal of coal to beach for Peter. Captain said the agreement of last winter to put it ashore was off because, he said, that Peter told him yesterday that I had said at Cape York that the coal was still mine (the Expedition). I denied saying or thinking any thing of the kind but H.C.P. said that he would not require the crew to the work without pay. I said that the best that I could do was to offer 2 lbs. smoking tobacco to each man. Then H.C.P. agreed to see that the coal was put ashore all right. Peter afterward told me that he did not tell the captain that, because I did not say it. H.C.P. is extremely disagreeable in his attitude toward me. He thinks that he has cause for feeling sore, but I think otherwise and that he is the one who has treated The Museum, the Expedition and me badly. I wish that I were well out of all this mess. [See p. 137.]



About 11 o'clock Peter and 129  
the Eskimos started for Unanakt  
on the sea ice. Photos with Graflex<sup>16, 1/2</sup>  
8/35 of Peter unbraiding dog traces  
and of him starting. I rode out  
with him nearly to our cape cache - a-  
bout  $4\frac{1}{2}$  miles. Saw some seals on the ice.  
Peter and the other men climbed up on  
the rocks to examine the prospect. Reported  
impassable leads and all turned back  
reaching ship about 1 o'clock. Peter  
wanted to wait till evening before start-  
ing over the ice cap, but the Eskimos did  
not want to delay, hence in a quarter  
hour all were under way again. I rode  
out about five miles with Peter nearly to  
where first high ridge begins to be steep and  
walked back, getting to ship just at dinner  
time. Snow surface not bad for walking  
down hill and much better for sledging  
than was expected. I asked Peter to give  
each of the three Eskimos - Tatiak, Ping-  
asut and Harnigan - who came to Uper-  
nivik and beyond 10 Kr as a gratuity.  
and add it to the Expedition's bill.

Rabbit stew for dinner.

Ben saw ~~not~~ heard a little auk this  
afternoon and got a rabbit. Mabe  
went over to or near the big (Cluett) gla-  
cier and reported the icicles gone and  
a stream of water flowing from the  
front.

The big snow drift on the port side  
of the vessel has bent the ice down and  
slightly increased her list to port,  
but this varies in amount with rise  
and fall of tide.

Peter took S. Greenland sledge away with him.

5 May.

Friday.

130

High, detached cirrus clouds, calm. But heavy south or S.E. wind began to blow about 5 p.m. and rose to half a gale. Max  $44^{\circ}$  Temp. min.  $24^{\circ}$ ; 9a.  $38^{\circ}$ ; 12m.  $42^{\circ}$ ; 4p.  $42^{\circ}$ ; 8p.  $38^{\circ}$ . Before seven this morning Itukasuk, Nitte and Koludena came in from Umanak without having seen Peter Co en route. Koludena is going to Cape Seddon to marry Innotok's widow, and his kamiatik is loaded down with his share of the housekeeping things. He even has a frame for a kayak. The men slept today and started on for Cape York via the ice cap about 6 p.m. in spite of the high wind. H.C.P. and I were planning to go over to Cape York with these men and visit the new meteorite, but gave it up on account of Peter's report that Ahng-nodablaho and Erik were about to come northward ("in a couple of days"). We (or I at any rate) would not have cared to start over the ice cap in the face of the gale now raging.

I went out alone to Broken Rock Point, 6+ miles of walk. Did some photographing and took some geological notes on the Bird Cliff. Lovely spring day and I was out on my walk about five hours, enjoying it very much. Most of the time I was too warm wearing my netcha and therefore carried it on my arm. Warmth has settled the snow so that the going was very good.

H.C.P. himself fired grass on cliff slope this afternoon, greatly extending area burnt over by the crew yesterday. Did not seem to burn into the peat, they say, and soon we'll have a fine green lawn to look at. Plenty of kamik grass left, if they don't burn over a lot more of the grassland. I hope that they let it alone. <sup>Chief put a prop under one side of tent this evening.</sup>

Jaylor climbed the cliff last night and saw the sun at midnight.

6 May. Saturday.

131

Clear, cloudless, calm. Last night's wind died out between 3 and 4 this morning. Temp. min.  $27^{\circ}$ ; 9a.  $38^{\circ}$ ; 12m.  $41^{\circ}$ ; 5:30p.  $38^{\circ}$ . max  $44^{\circ}$ . "Thousands" of little auks were seen by some of the crew flying about the cliffs early this morning. Ben shot one and ate it raw. The birds disappeared before I went on deck at 9 o'clock. Mate heard some murres. Crew removed after shelter house and I extinguished cabin lamp at 11:17. We all are rejoiced to have the sunlight enter the cabin once more. Tried to do some work on St. Vincent, but could not accomplish much with the noise of the work over my head and the talk of the captain and men. Snow is soft for walking. Quite a pool of water around the vessel in trench left by removing the banking. Glad to get fresher and dryer air in the cabin. Developed roll of films after noon - overexposed. Chief took off his beard and looks odd enough. After dinner and cards left vessel at 8 p.m. and walked for two hours, visiting front of the big Cluett glacier, route covered about 4 miles. All the array of icicles has disappeared. I am sorry not to have gotten a photo of it, but chances of success seemed poor, anyhow. Blue color gone now through soft and porous character of front due to warmth of sun's rays. Vegetation is beginning to show life - willow twigs softening. Stream of water 1-2 ft. wide and 2-4 inches deep is flowing away from the glacier. Saw none coming from the other glacier, but I did not go close to either of its bases. Ground is quite boggy and spongy where there is earth or turf. Green is showing strong in the moss.

Canvas house was put on on 14 October, hence has been on a week less than seven months.

7 May. Sunday.

132

Clear & calm. C & at 9 a.m., but cloudless  
(after noon) or nearly so. max 38°

Temp. min 12°; 9a 33°; 12m 37°; 4p. 36°; 6p 35°;  
Took photos 4x16, 4-12, of captain and crew in winter  
costume on ice near vessel -

From 11 to 4 out alone to big gulch and via that  
to top of Bird Cliff and the summits on the plateau

Took elevations - Bay ice at gulch 410' 12m -

12:45 p. Edge of cliff first section 1170' = 760' A.T.

12:53 p. Do above pinnacle photo'd 1190' = 780' A.T.

1:02 p. Do. highest point second section 1250' = 840' A.T.

1:35 p. High point above Broken Rock Pt. 1560' = 1150' A.T.  
(Highest point visible from Cluett)

1:42 p. Highest point of bluff mass 1580' = 1170' A.T.

2:55 p. Bay ice at foot of gulch. 400'; ∴ average  
wld. add 5 ft. to A.T.s given above.

In big gulch about 100 feet above bay there  
is a 3 foot boulder of schistose argen gneiss  
argen consist of Carlsbad twins of feldspar about  
an inch long, extremely thick, parallel position,  
long axes parallel to schistosity. Handsome  
specimen. Plateau has on it some of Puddlak's  
lines of stones for the attachment of rabbit snares  
- may long antedate Puddlak! Three remains  
of little auk caches, one of which was near edge  
of cliff above the pinnacle.

Saw no erratics, surface being wholly covered  
with frost-rounded, subangular, and few  
angular fragments of local rock, nearly or  
quite in place. Diabase sill or dike shown  
as a band of darker debris amid the feldspathic  
gneiss. Change from feldspathic gneiss  
to hornblende gneiss can be made out  
in spite of coating of lichens. Above Broken  
Rock Point the gneiss is very black from the  
contained hornblende.

Beautiful day and beautiful view -  
Wide open lead around Cape Dudley Digges  
and extending northward well off from  
point of Petowik Glacier and toward Cape  
Athol. Toward Cape York leads are broad and

Numerous. Network of open leads ex- (133)  
tends westward for miles. Limit was hidden  
in ~~low~~ low fog showing proximity of open water.  
Later this low bank of fog rolled in beyond  
Conical Rock and even sent a streamer into  
south side of bay - soon dissipated.

Petowik Glacier, like the icebergs, has lost  
most of its blue color through softening of  
the ice and does not look nearly as beauti-  
ful as it did ten days ago (26 Apr.) when I walked  
over the mountain after leaving Mene.

Noted two ivory gulls, a falcon perched on a  
rock on the plateau, snow buntings, one little  
auk, a fly, a caterpillar, willow catkins shed-  
ding their seeds, two widely separated last  
year's eggs prob. of little auk.

Gentle breeze from S.S.W. on summit.

Much grass, moss and earth in patches on  
the plateau, especially above the eastern part of  
the Bird Cliffs.

Rudder freed itself from the ice today  
and the ship is now loose all around.

8 May. Monday.

Clear, cloudless, calm. Light puffs  
of wind, variable, in late afternoon and evening.  
Temp. min 18°; ~~12m~~ 39a, 34°; 12m. 37°; 4p. 37°; 7:30 p.  
30° Max 39

Crew bent on spanker and rove gear for  
all the big sails. We could sail now if we  
had to, or had a chance! They hoisted spanker  
of course in bending it on.

Out with H.C.P. to Broken Rock Point  
looking for the local "quarry" of soapstone  
used by the Eskimos. H.C.P. visited it with  
Pudlak but it was hard to find again un-  
der the changed conditions of snow and light.  
He found it, however,  $\frac{1}{2}$ - $\frac{3}{4}$  mile east of the  
big gulch in the cliff just above (20-25') the  
level of the bay. Pleasant and interesting walk,  
disagreeable topics being avoided.

Footings rather soft + the 7 mi. walk was enough.

Trickling of snow water down the gullies 134  
in the face of the bluffs makes pleasant  
music. Saw only two gulls, one raven and  
several snow buntings.

Chief put patch on front of stove today.

9 May. Tuesday.

Clear, cloudless. Calm or nearly so -  
Low, light fog in outer bay early. Went out and ca 9a.  
Temp. min  $18\frac{1}{2}^{\circ}$ ; 9a.  $29^{\circ}$ ; 12m.  $35^{\circ}$ ; 4p.  $37^{\circ}$ ; 8p.  $+27^{\circ}$

Early this morning Ootah, Ahpelingwa  
Karnah (name o.k.?), with their wives and chil-  
dren and Peter's deaf and dumb ward, 14 Es-  
kimos in all, arrived from Umanak on  
their way to Akpat, Cape York and Cape Seddon.  
I make out that they are going to stay here  
for some days and then distribute themselves  
down the line. Ootah says that he and his fam-  
ily are going to Cape Seddon for the summer,  
returning northward when the sun is down.  
This seems to me an odd arrangement of time,  
~~but he says he has plenty of meat at his house.~~

The deaf mute is going to his sister at Cape Seddon.  
The Eskimos came on six kamatiks and  
have pitched two tupics on the beach  
near Pudlak's igloo. They brought a kyack  
and a set-up kyack frame with them.  
These look like awkward loads for kamatiks.  
Two of the men went out hunting seals but  
saw none. Ootah's wife mended up my kamiks.

Went out after dinner for 2 hr. walk, going  
to the lateral moraine on north side of the  
big (Cluett) glacier. Leaf buds on the willows  
are swelling, moss is putting out new leaves,  
green leaves really begin to show under the dead  
brown leaves. Spring is coming rapidly  
now, apparently. Let it come as fast as  
it will! The stream from the ice front of the  
Cluett glacier is so strong now that its gurg-  
ling is audible a half mile or more  
away.

10 May. Wednesday.

135

Clear and cloudless. Moderate to fresh easterly or ~~south~~ easterly breeze from early morning to about 5:30 p.m.

Temp. min 19°; 9a. 35°; 12m. 35°; 3:30 p. 37°  
6:30 p. 34°. Max. 37°

Crew began removing coal from the hold and got nearly half of it out and piled on the ice alongside, when the captain stopped the work, because the vessel was not rising in response to the lightening of her load.

Clouds of auklets flew along the cliffs between 1 + 4:30 this morning and then disappeared. Ben got three and the Eskimos ten of the birds. H.C.P. secured them and we are to have them for dinner tomorrow. The birds were caught with nets like long handled dip nets. They fly too high now for much success with nets.

Out alone for walk along shore this morning and after dinner for five mile walk around head of bay to snowdrift glacier and directly back.

Chief told me day before yesterday that fly wheel was loose on crank shaft and thrown out of position before "Cluett" reached Boston from New York. This could be established by testimony of engineer from Wolverine Co. who was on the vessel.

Ootah says that Pudlak and family are occupying his igloo at Kiatek and that Bretliak's baby has <sup>not</sup> arrived yet. Pudlak's igloo here is a desolate looking place now with the floor and platforms covered with cans, debris snow and frost - a forlorn place for human habitation.

"Scouse" for breakfast. Have stew for dinner.

Changed plates and got graflex camera into shape for fresh use in evening.

11 May. Thursday.

136

Clear but overcast a.m. Light clouds and cloudless afternoon. Water foggy thick well out at sea -

max 33°

Temp. min 25°; 9a 29°; 12m 29°; 4p 30°; 7p 30°

at 8:50 this morning, while I was getting ready for breakfast, I felt the vessel give a sudden jerk. She had freed herself from the ice adhering to her port side and came out on an even keel. Her port side rose about a foot and the chief's snow bridge is now something of a jump down from the rail.

Crew piled on shore the coal which they removed from the hold yesterday -

With chief's aid overhauled Ernemann motion picture camera, cleaned its gear and got it into running order.

Captain Come's snow igloo has disappeared.

Walked out alone for about an hour before dinner along north shore side of bay.

Scouse for breakfast. Stew of anklets and canned roast beef for dinner, also stewed dried peaches. The birds were good, but there was only one apiece - except that H.C.P. served me two. It would take from four to six to make a good meal for a man.

Last evening Ootah and company struck their tupics and started over the ice cap toward Cape York. At 1 this morning they were just about to disappear over the crest. H.C.P. bought a shaggy puppy 4 or 5 months old from one of the men and it makes night hideous with its howling. Not very friendly yet except with Ben. The huskies ransacked Pudlak's igloo for anything of value to themselves.

There were no anklets on the cliffs this morning, hence H.C.P. had to postpone his intended try at netting some.

Sea fog came into bay about 8 p.m. producing curious illusion of distance as one looked across bay toward invisible south shore.



12 May. Friday.

137

Overcast and thick. Light snow falling and calm at 9 o'clock. Somewhat clearer at 10 and after, snow ceased, disagreeable light breeze came up from the south. Chilly & rather strong before noon. Temp. min.  $19^{\circ}$ ; 9a.  $32^{\circ}$ ; 12m.  $28^{\circ}$ ; 4p.  $28^{\circ}$ . <sup>Clear in m. too cloud on mt. top at 6a.</sup>

During my talk with Captain Pickels on 4 May (see p. 128), he said that stopping at Upernivik Cost us Melville Bay. This was the first time that this idea had been advanced in my hearing. I doubt the justification for the statement. We certainly had a good strong breeze during the afternoon of the day on which we arrived at p. m. at Upernivik anchorage and it was too rough for us to go ashore that evening; but the wind died out during the night and the following day (11 Aug.) was calm; so calm that H.C.P. would not leave, said then that it ~~was~~ not advisable to get under weigh. Of course we should have covered a good many miles with the breeze of 10 Aug. but probably should not have gotten more than half way from Upernivik to Devil's Thumb before losing the wind. As I have said the 11<sup>th</sup> was calm. On 12<sup>th</sup> we had light N. wind; 13<sup>th</sup> same; 14<sup>th</sup> calm; 15<sup>th</sup> brisk wind from N. N. W. In early morning of 16 Aug. we were off Devil's Thumb. Neither of us can say how much if any appreciable time we lost by stopping at Upernivik, but neither Captain Pickels nor Captain Comer said a word against stopping there. It seems to me that they should have pointed out to me the risk of stopping, if they or either of them had felt that there was any. With my present experience in the Arctic and knowledge of the "Chinatti", I would not stop there <sup>again</sup> in an auxiliary schooner under similar conditions. The stop was made with the advice and approval of Peary and other men of experience, in order to learn about the ice conditions in Melville Bay - But we learned nothing.

Crew took remainder of 138  
coal out of the hold and finished piling  
it on the ice and closing the hatch just  
before noon. The bags are poor and some  
are in bad condition, but there has been little  
loss yet. The men used a ball of twine sew-  
ing the rents in the bags before hoisting them.  
Better bags should have been used in  
the first place. If I have anything  
to do with outfitting another arctic ex-  
pedition, I shall advise using anthracite  
coal only and bringing it up in good  
bags running 20 to the ton.

Got in three or four hours on St. Vin-  
cent work, calculating distances at  
crater.

Day has been unpleasant and chilly,  
but I took a  $3/4$  hr. walk up and down  
good ice in this section of bay before dinner.

Breakfast: scouse, corn meal mush,  
molasses, bread, butter, coffee, milk.

Dinner: pea soup, corned beef, canned  
tomatoes, salt pork, potatoes, turnips, bread,  
butter, tea, milk, molasses for sweetening.

13 May. Saturday.

Clear, cloudless or light clouds, calm  
and light S. & S.W. winds

Temp. min.  $28^{\circ}$ ; 9a.  $36^{\circ}$ ; 12m.  $37^{\circ}$ ; 4p.  $35^{\circ}$ ; 9p.  $27^{\circ}$

Crew took about half the coal ashore.  
I worked on St. Vincent crater calculations  
and developed a dozen plates.

Ahngroodablaho and Ahngualokto  
came in from Cape York about 12:30  
this morning. They brought a kayak  
and box for Erik who is coming soon.  
Etkblaw with Mene and Egingwahsuah  
arrived from Umanak at 4 p.m.

just in time for dinner. About 139  
5 p.m. Sigdlu, Pingasut, Alacotik and  
the Kiatak missionary<sup>snuk</sup> and family of  
wife and three children followed in  
from Umanak on their way to Cape  
York where some of them are going to  
settle for the season. At about 6 p.m.  
all the Cape York people started for the  
south over the ice cap.

Photos. 17, 1. 8/50 Alacotik and Kamatik with kayak on it.

17, 2. 8/50 Kiatak missionary and wife beside their kamatik. Snuk

17, 3 8/35 Mene and Sigdlu beside a kamatik.

17, 4. 8/35 Sigdlu and Eginguak beside the former's kamatik.

Alacotik says that he got married all right.

Suitcase came tagged "Dr. Hunt, Bangor".

## 14 May. Sunday -

Overcast and with low cloud or fog on ice cap and mountains till late afternoon but cleared to cloudless by 8 o'clock or before -

Temp. min. 26°; 9a. 34°; 12m. 34°; 3p. 36°; 10p. 27°

Ekblaw and I had a conference this morning with Captain Pickels in which I told him that conditions in N.W. Greenland as reported to me by Mr. Ekblaw and others made it necessary for Dr. Hunt, Captain Corner and me to return homeward on the "Cluett", in case the schooner leaves before the arrival of a relief steamer from the Museum. Mr. Ekblaw said that he would spare 166 lb flour, 1/2 lb cornmeal & 1 keg molasses from expedition stores if needed for the ship on account

of our passage. H.C.P. said that he 140  
would not need the cornmeal, might  
not need the molasses, and might need  
the flour, though he would take nothing  
not absolutely necessary, because the  
vessel will be going toward food, while  
Mr. Ekblaw will be staying where the war  
may prevent any supplies from coming this  
year and he may be facing another winter  
in the arctic. H.C.P. said that it would be ad-  
visable for Dr. Hunt and Captain Corner to be  
at the vessel on or before 25 June, on account  
of the early season. Agreed to ~~be~~ by us.  
Everything amicably arranged, apparently -

Ek and I walked out to Norman's <sup>Gulch</sup> Valley  
(the "big gulch", formerly "Soapstone valley") on  
the bay and back over the plateau. 5 mi.  
He showed me many of the different species  
of plants growing here. He has noted 42  
to-day. The big white gull which has  
arrived is the burgomaster or glaucous  
gull. Saw an arctic wheatear. We climbed  
down some steep rock faces in descending  
from the plateau. Great stretches and areas  
of open water visible, particularly to S.W. Very  
enjoyable walk. Report is that two more  
of MacMillan's men have returned to  
Etah and that they say that he was going only  
two marches beyond where they left him.  
Probably, therefore, he too is now at Etah.

Dog-food being lacking, Ek, Eging-  
wah and Mene started back to Uman-  
nak at about 8:30 this evening. They  
took the Victrola records with them. Ek came  
prepared to take me too if I insisted on going  
but I decided that it was wise to take the ad-  
vice of Ek, Hunt and Peter and stay  
at the ship. Conditions at Umanak are  
not good and the early season makes travel  
bad and uncertain.

This morning Ek brought in the first 141  
furry willows that we have seen here. They look as  
if they had been out for a day or two. Saw more  
in Norman's Valley Gulch. On the west side  
of this gulch 300 yds or so from the bay Ek pointed  
out a shelter wh. Inetliak must have used in  
netting arctic foxes. Circular wall of stones built  
up high enough to give concealment to  
the hunter. There are several of the old Eskimo  
stone fox traps on the plateau. These are <sup>small</sup> spaces  
inclosed and roofed over with flat stones.  
When in use, they are provided with a flat  
slab which slides or falls in a manner to close  
the entrance when the fox springs the trap.

On the sides of the gulches noted many char-  
acteristic flows of earth, sand, gravel and stones  
presenting some of the features of glaciers.  
These are important factors in soil flowage.

Beans for breakfast. Canned beef for din-  
ner with rice for dessert.  
Ek says that the single eggs found on the plateau were  
cached by the foxes. We saw several today.

15 May. Monday.

Clear, C1, calm. Apparently a  
light N. wind outside.

Temp. min.  $26^{\circ}$ ; 9a.  $35^{\circ}$ ; 12m.  $34^{\circ}$ ; 9p.  $27^{\circ}$

Crew finished putting coal on shore  
and I gave them the promised tobacco  
for doing it.

Wrote letters to Ekblaw and Mac Millan  
giving authorizations, instructions and requests,  
to be effective in case of my going homeward  
on the "Cluett"

On board all day.

16 May. Tuesday.

Overcast + cloudy all day. Heavy fog out  
on the sea and fog banks resting on the cliff tops and  
mountains. Calm or very light westerly winds.

Temp. min.  $27^{\circ}$ ; 9a.  $33^{\circ}$ ; 12m.  $36^{\circ}$ ; 5p.  $36^{\circ}$ ; 10p.  $27^{\circ}$   
max.  $57^{\circ}$

Early this morning - 10 el + after. Three arrived  
from Cape York. Erik, Bahlina + baby, the old

Atergana  
widow and her two sons, Pingasut and Ala. 142  
cotiah; and from Umanak en route to  
Cape Melville Ooquiah and his wife and two small  
children. Ooquiah was one of the North Pole party  
~~so that now I have seen them all. He told us,~~  
in effect, "that there were four Eskimos Inuits  
and two Kablunas at the Pole." He counts Matt  
Henson as a Kabluna or white man.

I took two photos of Ooquiah and his family  
standing beside Erik's tupic.

Walked alone over to the front of the big or Cluett  
glacier and took four Graflex photos of it. The  
flat ground is getting very boggy but not un-  
pleasant yet to walk upon. The turf feels good  
to kamiked feet after walking over stones.

Got the old woman to sew bear skin chin +  
wrist pieces onto my netsha. Also bought pair  
of white seal skin mittens from her. Gave her  
1/4 lb plug smoking tobacco and a paper of needles.  
Bought from the chief for a pound of tobacco  
the knife that he made last winter and sent it over  
to Ek.

About 5 p.m. Pingasut and Alacotiah started for  
Umanak taking Mate Davis with them. He is go-  
ing to repair Peter's motor boat for him.

Crew put ashore lumber wh. H.C.P. sold  
to Peter. Cleaned up hold and secured  
old and spare sails from rats, brought up fore-  
stay sails and top sails.

During the night the rest of the Eskimos depart-  
ed, except the old widow Atergana and <sup>one of</sup> her  
two sons who slept in the open on the beach,  
wrapped in their furs.

Bft. carry of canned beef and rice.

17 May. Wednesday.

Clear, cloudless, light air from S.W.  
Temp. min.  $20\frac{1}{2}^{\circ}$ ; 9a.  $34^{\circ}$ ; 12m.  $33^{\circ}$  7p.  $30^{\circ}$

Shukashuna (name ask?) from Igloodahane  
<sup>Silikiuma</sup> arrived from Umanak about 10 o'clock last night  
en route to Cape Melville. He is the most primi-  
tive of all the natives that we have seen. H.C.P. got  
from him a bow-drill made from a walrus (?) rib  
in exchange for a spoke shave.

Antlets were on the cliffs in myriads this  
morning and made a great noise with their  
cries and the whirring of their wings.  
This whirring is surprisingly loud and  
Shukashuna



Alakutsiak (Alacotiah) took skins away 144  
from roof of Pudlak's igloo yesterday, leaving  
the place open to dry out this summer.

Shukashuna started for Cape York via the  
ice cap about 2 p.m.

18 May. Thursday.

Overcast or very cloudy all day. Air rather  
raw and chilly. Wind W. to N.W. 2-4, puffy.  
Temp. min 22°; 9 a. 30°; 12 m. 34°; 4 p. 36°; 6:30 p. 28°.

Many auklets have remained on the cliffs all  
day, evidently with the purpose of nesting  
here, but most of the clouds of birds that  
arrived early this morning went on elsewhere  
before noon. I was ashore before breakfast  
and concealed myself in a nook among the  
large blocks at the foot of the talus slope near  
the big coal cache. The flight of the birds is  
interesting and somewhat exciting, partic-  
ularly when they fly within three feet of one's head  
as some of these did this morning. Their speed is  
very high and the birds pay little attention to  
a man, even when he stands in the open, but  
they seem able to see and dodge a net when  
it is raised too soon. Taylor knocked down  
several birds with stones today.

Developed roll no. 46. Wrote letters.  
Out after dinner for an hour's walk. Unpleasant  
and threatening, with snow pellets coming in squalls.

Bkft, fried auklets. Dinner, auklet stew.  
The birds are excellent, tender and not at all fishy.

19 May. Friday.

Overcast and thick. Light winds from west.  
Began to snow about 2 p.m. and snowed thickly  
from 3 to 5 o'clock. A wet snow melting as it fell on  
the vessel. Water dripped into cabin between dried  
deck planks. A nice shower bath. Sun  
broke through clouds about 6:30 for little while.



Temp. min.  $24^{\circ}$ ; 9a.  $29^{\circ}$ ; 12m.  $29^{\circ}$ ; 4p.  $28^{\circ}$   
Sun broke through clouds about 6:30 p.

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Crew brought 9 bbl. kerosene on board from the old shore cache and stowed them in the forward hold. H.C. P. strung line of ashes out fifty yards or more (75?) toward shore - and he and Taylor gathered up coal that fell from bags as they were piled on the ice and bagged it - 3 bags full. Put ashore with rest of Peter's stock as new cache. All the little auks disappeared from the cliffs last night and none came to-day.

Charlie mopped up the cabin floor this morning. I asked him whether he did not know that this was Friday. "Oh, yes" he replied, "but there might be a little putty aches to him tomorrow morning!" He showed more forethought than I thought he possessed.

On board nearly all day. Cleaned up my room, aired my sleeping bag, did some St. Vincent work. Took an hour's walk in the snowstorm in the afternoon on the hard ice along shore east and west of the vessel.

The falling snow <sup>was</sup> soft and wet, melting as it fell on the vessel. We had quite a shower bath in the cabin from the water dripping through the cracks in the dried-up deck.

Breakfast - curry of canned beef and rice.

Dinner - baked auklets. Best dish that we have had in many a day. The birds were tender and delicious, reminding one of squab in size and flavor.

## 20 May. Saturday.

Thickly overcast till late afternoon. Began to clear about 5 p.m. with northerly wind. Westerly or southwesterly before that.

Temp. min.  $25^{\circ}$ ; 9a.  $30^{\circ}$ ; 12m.  $29^{\circ}$ ; 4p.  $30^{\circ}$ ; 8p.  $29^{\circ}$  - calm

Unpleasant day, but countless little auks flew and lighted along the cliffs. Ben got 65 to-day. He is by far most successful. Taylor next. Walked along trail on north shore from 1:30 to 3:30  $\pm$  watching birds. Visited Pudlak's igloo and collected small soapstone lamp.

Place looks desolate enough now and 146  
one could hardly think that it had ever been  
or could be made a comfortable habitation  
for human beings. Much snow, ice and debris  
in there and seal skin lining hangs in torn  
folds. Undescribable filth pollutes ground for  
ten yards around the igloo. Wrecked harmonica on <sup>bed</sup> ~~next~~ <sup>to</sup> ~~the~~  
The welcome black zone of open water  
outside the bay seems to be working its way  
gradually inwards. Would do much execu-  
tion to the bay ice, if ~~there~~ <sup>there</sup> could only <sup>arise</sup> ~~have~~ a  
strong westerly gale of wind.

Rft. - curry of beef and rice. Dinner-baked auklets.

After dinner the Captain and Taylor went  
out as far as they considered safe toward the  
open water. They came back reporting ~~the~~  
(H.C.P.) the April ice all gone out and the  
old ice breaking up into pans and cracking  
for a half-mile back from the ~~ice~~ edge. They  
could feel the ice moving under them with  
the swell and could see <sup>+ hear</sup> the outer cakes  
grinding together under the influence of  
the moderate to strong northwest breeze -  
Prospects good for much ice going out with  
next week's high tides. They saw a good  
many eider ducks and some seapigeons  
Taylor got one of the latter with a lucky rifle  
shot, decapitating it.

~~Used last of biscuits (hard bread) at dinner in evening.~~

21 May. Sunday.

Overcast. Westerly (N.W.?) wind 2.

Temp. min 23°; 9a. 33°; 12m. 31°; 4p. 32°; 7:15p. 31°

Little alks absent this morning.

The last fragments of biscuit (hard  
tack) disappeared to-day. Tarangi  
clean shaven again last night. Mous-  
Tache was altogether too white!

Out for a short walk before dinner.  
Cleared off after dinner and night was magnificent  
from 6 p.m. Sun disappeared behind high  
cliffs at 7:10 p.m., mean time. Norman and  
some of the crew went out to top of the big Bird Cliff  
beyond the gulch. Reported open water and few  
bergs - <sup>as far as the eye could see.</sup>

Curry.

22 May - Monday.

(147)

Overcast. S.E. & dying down toward noon and becoming light westerly by mid afternoon. Heavy black clouds in W. somewhat misty 4 to 5 o'clock p.m.

Temp. min 19°; 9a. 30°; 12m. 32°; 4p. 28°

Comparatively few little auks on cliffs this morning and all had gone by 9 o'clock. Ben got 23, however. The birds are covered with fine gray down under their white feathers. Head, neck and wings are dark slate color, almost black. Quite a job to pluck the birds, but crew do it since H.C.P. is saving the feathers, which seem good for pillows and cushions. Charley has the job of singeing off this down, which he does by means of a red hot poker. The other night he was talking in his sleep about the birds and caring for them. He asked the cook how they were coming on and to the cook's answer he replied "Let her sing". This remark has become a by word now among us, but Charley does not seem to care.

Got in a little work on St. Vincent.

Out ~~for~~ before dinner for an hour's walk, going toward the big gulch (Norman's Gulch). Noted cracks and cracking in the sea ice. Favorable to the break-up which will come day so.

My party should be in Copenhagen now if the "Hans Egede" came according to schedule and they reached Holstenborg per beam.

H.C.P. had a hand net for catching little auks fixed up for him today. Offers me the use of it whenever I may want it. He has been much more agreeable <sup>and</sup> since his ebullition while Peter was here and now seems to be trying to be courteous and sociable - too sociable in fact for the good of my work.

Mt. curry, beef & rice. Dinner. corned beef, string beans.

Ben and Taylor got 8 akpats (mures) 148  
at the Bird cliff beyond Norman's gulch  
after dinner.

23 May. Tuesday.

Overcast and snowing. N.E. 4-6 or stronger<sup>7</sup>  
Temp. min 24°; 9a. 28°; 12m. 30°; 4p. 28°  
Stormy, disagreeable day. Staid on  
board reading "Our Mutual Friend".  
Storm over and somewhat clear after dinner.  
Bkft., scouse and fried anklets  
Dinner, baked anklets. Last of butter.  
During night felt vessel moving under influence  
of ground swell. A good feeling.

24 May. Wednesday.

Clear and cloudless. S 1 & variable.  
No 2 part of afternoon.  
Temp. min 22°; 9a. 32°; 12m. 36°; 4p. 31°; 8p. 29°  
Tried my luck at netting little ants with  
the captain's new net. Struck one fair, but knock-  
ed it against cliff and lost it. Net was  
too shallow and flat. Hit the wing of another.  
They fly with surprising velocity. I was  
on face of cliff 75 feet above new coal cache.  
after watching the anklets for a time, I  
started up the cliff and went to the top  
of the mountain. Open water outside  
the bay as far as one could see, and  
more free from bergs at a distance than  
near shore. Not more than  $2\frac{1}{2}$  miles of ice  
now between the vessel and the open sea.  
Yesterday's storm carried away a broad  
belt of our imprisoning ice and  
the swell produced many cracks in  
what remains. Open sea extends far  
northward. Ice around Cape Athol and  
Wostenholme Island. Beautiful sight!

went eastward and circled the head of the 1449  
bay on land returning across bay ice - a ~~hard~~  
5-6 mile walk, <sup>hard</sup> on account of the rocks. Saw  
first flowers of the season - white scurvy grass  
and purple heather. Little water running from  
Chert glacier. None seems to have come yet  
from the divided glacier.

Crew brought lifeboat from beach and  
left it on the ice alongside the vessel.

Murre (Akpat) stew for dinner. Very  
good. Taste somewhat like that of duck.  
Rest of menu - bread, Tea with molasses and milk,  
dried peaches.

Crew got 16<sup>2</sup> anklets today, of wh. Ben  
netted 10<sup>8</sup>, Charley got 5 with a club + H.C.P. 3  
Ben and Taylor got 12 murre at the big  
cliff in the evening. The boys report many  
cracks in bay ice from ~~to~~ about  $1\frac{1}{2}$  miles beyond  
vessel outward.

25 May Thursday.

Cloudless before 9 a.m. but low fog  
was coming in and by 10 o'clock we were  
covered with the cloud about 600 feet above us.  
Light westerly air and variable. Fog lifted  
considerably about mid afternoon.

Temp. min. 22°; 9a. 31°; 12m. 32°; 4p. 35°; 8p. 27°

Chief took photos of me in my furs.

St. Vincent work.

Crew used gasoline blow-torch for singe-  
ing their birds. Great improvement over Charley's  
red hot poker, doing 170, including murre, in  
about a half-hour.

After dinner H.C.P. and Charley went  
out nearly to the edge of the ice and re-  
turned confirming report that the ice  
beyond the large berg  $1\frac{1}{2}$  mi. out is cracked  
in every direction ready to form floes and  
fans.

Anklets are apparently getting ready to nest for  
they do not fly about so much.

Out for about a half-hour's walk just  
before dinner.

26 May -

Friday.

150

Would be cloudless, were it not for thin masses of fog, hovering around and level with the tops of the cliffs and mountains. But the fog thickened much soon after noon.

Wind W and light, say 1 to 2. Temp. water  $38^{\circ}$   
Temp. min.  $25^{\circ}$ ; 9a.  $30^{\circ}$ ; 12m.  $35^{\circ}$ ; 4p.  $35^{\circ}$ ; 8p.  $26^{\circ}$

Crew rose sheets and tackles onto the big sails. Walked out to the large berg in the middle of the bay about  $1\frac{1}{2}$  mi. from vessel, found the exercise rather fatiguing. Crossed two long cracks transverse to the bay about a mile out, but could not see the numerous cracks beyond the berg reported by the captain and others. There are some noble, big bergs outside the bay which are drifting southeastward along the coast. Charley's 15<sup>th</sup> birthday.

St. Vincent work.

David Copperfield

Bkfr: commerial mush + molasses. Fried antlers

Dinner: akpat stew, bread, prunes.

27 May. Saturday.

Clear and cloudless at 9a., with wind W. 1 - 2. Thin clouds and some fog around noon, but by 2p. + onward clear, cloudless, calm.

Heavy westerly (?) wind squall raged from about 4 to 5 this morning raising swell which affected the vessel.

Temp. min.  $20^{\circ}$ ; 9a.  $30^{\circ}$ ; 12m.  $36^{\circ}$ ; 5p.  $37^{\circ}$ ; 10p.  $30^{\circ}$

Spent about four hours of this beautiful day on shore near the new cache, watching the little auks as they flew about, perched on the rocks or made love to one another. Took two reels of motion pictures with aid of the chief, who carried the camera ashore and back again and threw stones at the birds when I wanted them started up. In company with Fiander tried my hand at netting birds and caught two thrus - after dinner I caught a disabled one on the ice foot at the cache, in my hands

Captain Pickels and Taylor went out to Nor - 151  
man's Gulch and beyond. Lots of murrees and  
gulls about the big Bird Cliff. Saw many cracks  
in the ice, which is getting into bad condition.  
Lead two or three feet wide comes in midway  
of the big bluff and looks hopeful for speedy  
departure of the ice beyond it.

28 May. Sunday. New moon.

Overcast, thick outside. Wind S.E. (or E.) 6-7  
died out latter part of afternoon (H.L.P. says it was N.E.) and began  
to snow.

Temp. min.  $25^{\circ}$ ; 9a.  $28^{\circ}$ ; 12M.  $29^{\circ}$ ; 4p.  $28^{\circ}$

Day is chilly, blustery and disagreeable,  
but we trust that the high wind, which began  
to blow off the ice cap early this morning  
will drive away some ice. Let her blow,  
as hard as she will, we all say. The hard-  
er the better for us. No anklets on cliffs to-day  
for Bft. cornmeal mush, fried bacon, baked anklets.

Dinner: pea soup, baked anklets, boiled salt pork, potatoes,  
turnips, dried peaches.

29 May. Monday.

Overcast a.m. with granular snow falling  
from about 10 o'clock for ~~an~~ hour or more  
Wind S. 3. Cleared off soon after noon  
and became cloudless, except for low-  
lying water fog in distant west. Wind of 5-6 came  
out of the north. Keen and gusty.

Temp. min.  $25\frac{1}{2}^{\circ}$ ; 9a.  $30^{\circ}$ ; 12M.  $30^{\circ}$ ; 4p.  $28^{\circ}$ ; 9:30p.  $29^{\circ}$   
Clouds of anklets on cliffs today and  
crew netted about 150 of the birds.

On board all day except for short walk  
just before dinner. Wind too strong and  
disagreeable for comfortable walking  
St. Vincent work. David Copperfield.

Bft: oatmeal, little auks.

Dinner: macaroni soup, salt beef + pork, potatoes, turnips,

30 May. Tuesday.

152

Cloudless morning, though somewhat hazy. Wind E 2-3. Gradually grew thicker and by 6 p.m. heavy S.E. gale (8-9) was raging and the air was full of flying fresh snow. Worst storm that we have had for some time.

Temp. min.  $28^{\circ}$ ; 9a.  $39^{\circ}$ ; 12m.  $39^{\circ}$ ; 6p.  $39^{\circ}$ ; 9:30- $35^{\circ}$ .

Mate arrived with Mene about 3 a.m., having made the trip from Umanak in 8 hours. All well at Umanak. Plenty of seals there. Egingwa made the trip across a fortnight ago in 6 hours. Mate brought letters from Ekblaw and Peter which kept me busy for some hours and then the wind was so strong that I did not go out and now - 6:30 p.m. - the scene outside is so wild that we are glad enough of the shelter afforded by the ship's cabin. Mene says that Silkisura, who was here on 17 May, returned to Umanak over the ice cap without coming down here. He brought back some effects from his old igloo east of Cape York, near Cape Melville. The Eskimo name for Cape York is Iqmagaganurmi. (Nominative Iqmagaganak?) Snow ceased ca 8 o'clock but gale continued raging Mene went out and got 40 little anaks.

31 May. Wednesday. Av. Temp.  $\left\{ \begin{array}{l} \text{min } 21.5 \\ \text{noon } 34.1 \end{array} \right.$

Overcast + thick. Wind S.E. 4-5. Latter part of afternoon full gale raged at times.

Rained hard last night and again from 5-7 p.m.

Temp. min.  $33^{\circ}$ ; 9a.  $37^{\circ}$ ; 12m.  $36\frac{1}{2}^{\circ}$ ; 4p.  $37^{\circ}$ ; 8p.  $35^{\circ}$

Mene started for Umanak ca. 11 o'clock but came back ca 2 p.m., having found travel on ice cap dangerous from thick atmosphere, heavy wind and driving snow. His poor dogs have had nothing to eat for three days.

Went out for walk soon after 3 p.m. but snow was so wet and there was so much water in pools on the bare ice that I came back on board after 15-20 min.

The house is still so dry that the cabin ceiling leaks a good bit.

Mate put tin and canvas patch over the stove in plank amidships on port side.



Vessel shook and knocked against 153  
the ice considerably last night, but could  
go backward only about 6", despite all the  
heavy wind. To-day a line was run out from  
her port bow and made fast to the ice and fenders  
were lowered on the port side.  
- Mene fed his dogs this evening on the little  
aunks which he netted yesterday.

1 June. Thursday.

Strong gale continued through night  
and was accompanied by heavy rain.  
Wind moderated and rain changed to snow  
at 4 a.m. At 9 a. overcast and thick with wet  
snow falling thickly, wind S.W. 3. Storm  
ceased, tho not clear, by noon. Clear by 3 p.m.  
Temp. min.  $31^{\circ}$ ; 9a.  $31^{\circ}$ ; 12m.  $32^{\circ}$ ; 4p.  $31\frac{1}{2}^{\circ}$ ; 8p.  $27\frac{1}{2}^{\circ}$   
Temp water at 1 p.m.  $34^{\circ}$

Little aunks returned to our cliffs this morning.  
Some St. Vincent work this afternoon. Hindered  
by H.C.P.'s reminiscences of Bermuda &c.  
Out for 2 mi. walk before dinner. Not much  
good surface now to traverse on the bay. Slushy  
snow makes hard going.

After dinner Norman and chief went out  
to the new crack about  $\frac{3}{4}$  mi. from ship and meas-  
ured thickness of ice with a wire. "Strong 4 feet".

Mene got away again for Umanak about  
6 p.m., taking my compass with him to guard  
against contingency of fog on the ice cap, tho'  
there is none there now. He got 19 aunks to-day.  
Ralph cut mene's hair yesterday and he looks  
less like an Eskimo than before - more American.  
The edge of the ice foot is getting honeycombed.

2 June. Friday.

Clear and C2 with wind S.W. 2 at 9a, later  
the wind was easterly and variably stronger.

Temp. min.  $24\frac{1}{2}^{\circ}$ ; 9a.  $30^{\circ}$ ; 12m.  $27^{\circ}$ ; 4p.  $31^{\circ}$ ; 8p.  $27^{\circ}$   
End of melting ice to get water, for crew began  
filling tanks with water from the brook,  
digging through surface snow to get it.

Crew washed down deck this morning.

Finished St. Vincent work for the 154 present and began the preparation of an account of the "Arctic Voyage of the George B. Cluett" for publication.

Out for  $3\frac{1}{4}$  hr. on ice and shore before dinner walking on the bay is tedious work now, the bare ice being too smooth and slippery for easy progress in kamiks, there being comparatively little hard snow and the soft snow being slushy and disagreeable. The little auks allow one to come very close - within 5 yds or less, sometimes - before they rise in great whirring clouds which almost darken the air as they pass close to his head on their way out circling around the head of the bay. The burgomaster gulls cause great commotion among the little auks, when they come near because they feed upon the little birds. The little auks have several active enemies: the gulls; the foxes, which eat birds and young and eat their eggs, besides caching eggs for the winter; and mankind, both Eskimo and white, who get both birds and eggs. But there still are millions of the auks, though but one egg is laid to a clutch. The crew, two of them, picked and Charley singed 178 little auks to-day for our mess. It takes 3 apiece to go around (36 birds) and some of us would eat more if we got them. The captain barely eats more than one. Mark & Norman got the extra ones left by him this afternoon. Salt horse and sweet horse for dinner.

3 June. Saturday.

Overcast (C4) Wind S.W. 1-2

Temp. min.  $26^{\circ}$ ; 9a.  $34^{\circ}$ ; 12m.  $35\frac{1}{2}^{\circ}$ ; 4p.  $34^{\circ}$ ; 8p.  $31^{\circ}$

H.C.P. took observation at noon using artif. horizon.

Out for  $1\frac{1}{2}$  hr. before dinner on cliffs, climbing up from new coal cache and coming down through big gulch east of the igloo. Edge of bay ice seems to have come in somewhat since my last ascent and now is about  $\frac{1}{4}$  mi. outside large berg, extending from point midway of Bird Cliff across bay to cove inside of islet. Collected willow tree about four feet long to take home to Britton.

Auklets for bft. & auklet stew & prunes for dinner.

H.C.P. went out to Norman's Gulch and re- 155  
turned saying that ice was more solid than it was  
three weeks ago, this edge is under gravel where eskimos  
were buried. Says it's a mile outside the large bay.  
"Won't go out before last of July, at this rate!"  
But the grass shows an encouraging green over burned areas.

4 June. Sunday.

Overcast and rather thick. Light fine  
snow falling. Wind S.W. 1-2

Temp. min.  $29^{\circ}$ ; 9a.  $32\frac{1}{2}^{\circ}$ ; 12m.  $30^{\circ}$ ; 4p.  $32^{\circ}$ ; 8p.  $29^{\circ}$

Bkft. cornmeal mush; fried bacon, acouse, bread, molasses  
poor coffee. Dinner: little ankus.

Day is chilly and uncomfortable, with the  
breeze from the southwest (or W.) rather raw.

5 June. Monday.

Temp. min.  $27\frac{1}{2}^{\circ}$ ; 9a.  $36^{\circ}$ ; 12m.  $37^{\circ}$ ; 4p.  $36^{\circ}$ ; 8p.  $34^{\circ}$

C. 4. Calm and clear. Lt. W. variable wind p.m.  
Rolled up sleeping bag and hung it from ceiling.  
Have used it enjoyably for five months but it's too warm now.  
Photod H.C. P. in his full fur costume - Kahpetah  
(Ahngwodoblahs) and bear skin pants (Peter)

Worked on Cluett voyage an hour or two and  
then developed plates.

H.C.P. agreed to put my bags of salt on shore  
and cover them with boards gratis.

Out 6-8 p. for stroll on bay and shore. Ice a-  
long edge of ice foot increasingly rotten.  
Seal came up through crack near where the  
crew were washing, abreast of the vessel.  
Ben and Taylor got 15 sea pigeons near the big bluff.

6 June. Tuesday

Overcast and rather thick. Wind at 9a.,  
S.E. 3-4, veering by 10:30 to N.W. (N?) 3-4, but lighter  
by 3 p.m. and calm after 5 o'clock.

Temp. min.  $30^{\circ}$ ; 9a.  $38^{\circ}$ ; 10:30a.  $33^{\circ}$  (with change of  
wind); 12m.  $34^{\circ}$ ; 4p.  $36^{\circ}$ ; 8p.  $32^{\circ}$

Did some work on "Cluett Voyage"

Found blankets rather cold and 156 heavy last night, after the sleeping bag, wh. is so light with all its warmth.

Out for an hour on shore east of the igloo. Inspected a tupic site well back on upper beach which had evidently been used for a whole season's residence years ago when caribou still were gotten here. Big rock fragments which had rolled down from the cliff were taken advantage of to form a wall, small stones and turf being used to stop up the openings. Perhaps the site is not so old after all, for the caribou horns used in making the food cache (?) were shed horns that were picked up and utilized on account of their convenient size and shape. Crude residences, these Eskimo igloos and tupics.

Photographed (19, 1-8/35) the crew hoisting a barrel of water from the brook on to the ship.

Several (9) seals were seen on the ice in the southern part of the bay. After dinner Ben and Taylor went out to try to get one. They found that the seals had come up through two (or more) holes which they had been gnawed (*vide* H.C.P.) through the ice  $\frac{2}{3}$  of the way across from here. Captain felt in one of the holes and said that the ice was rather thin and that the sides proved the gnawings.

Ben shot a burgomaster quail. A beautiful bird.

7 June. Wednesday.

Began to snow about midnight and has snowed heavily all day. N.E. gale (8) blowing this morning, but wind lessened in strength after noon. Strong S.W. <sup>(16)</sup> outside at 4 p.m. Temp. min. 27°; 9a. 27°; 12m. 32°; 4p. 29°; 8p. 29°

Wind seemed to be westerly outside, jiggling from sound of surf breaking along the edge of the bay ice. A. windy stormy day. Apparently the little auklets

felt the coming of the storm, for they 157 were very wild yesterday afternoon and in the evening they all deserted the cliffs and went out to sea.

There is daily and several times daily, complaint on the part of the mate, Norman and the chief regarding the scanty amount of food provided. The mate is the worst kicker now and to-day he gave Charlie fits for eating up the birds left this morning from the number provided for us five, instead of going forward to get his own and leaving those for a snack here. Rather rough on Charlie and Norman defended him. <sup>seven</sup> ~~seven~~ little auks were brought aft for our breakfast and Charlie reserved two for himself. Captain ate none, I ~~three~~, mate four, chief ~~two~~ (2) and Norman ~~three~~, leaving three on the platter. Captain told Charlie that he might have his (H.C.P.'s) share, so the boy cleared the platter, but saved one of his birds forward for Norman. The mate had had more than his share anyhow, hence there was no kick coming from him except as to the total number of birds cooked. It seems easy to start trouble on board a ship in the arctic, but things are more pleasant now than before the sun came back.

at 4 p.m. the wind at the ship <sup>is</sup> strong (6±) from the S.W. and it must be pretty heavy outside. Several (6±) inches soft wet snow now on deck & still snowing hard

Thursday. 8 June.

Thickly overcast at 9 a.m. but snow had ceased falling. Total 10-12 inches and H.C.P. considers this the heaviest snow fall of the year. Wind S. or S.E. 2-3 or more. Strong S.E. outside & snow or spray flying. Temp. min 25°; 9 a. 32°; 12 m. 33°; 4 p. 31°; 8 p. 29° Another day on board - tedious enough. Got in some good time on "Chest Voyage".

The little auks came back this morn. (158 ing but they returned to the open water at mid afternoon, and snow began to fall again about 4:30. They know!

Had baked sea pigeons with the little auks for dinner. Also good. One of the pigeons has on it about three times as much meat as a little auk has. Not so dark in color.

Light snow again from 4:30 to about 7 p.

9 June. Friday.

C 4. S.E. 3. At noon less cloudy & wind stronger <sup>4-5</sup>  
Temp. min.  $26\frac{1}{2}^{\circ}$ ; 9a.  $32\frac{1}{2}^{\circ}$ ; 12m.  $31^{\circ}$ ; 4p.  $30^{\circ}$ ; 9p.  $27^{\circ}$

On board all day. Walking on the ice was too difficult and much of the time the wind was too high for comfort on the bay.

Mate building bookshelves in captain's office.

Bft: auklets and sea pigeons, fried. Dinner: salt horse. canned peaches for dessert.

Worked on "Cluett Voyage". On board all day.

10 June. Saturday.

Clear and almost cloudless, calm.

C 1 later but practically no wind.

Temp. min  $26^{\circ}$ ; 9a.  $35^{\circ}$ ; 12m.  $32^{\circ}$ ; 4p.  $32^{\circ}$ ; 8p.  $26^{\circ}$

On board all day, the walking continuing difficult and wet. "Cluett Voyage"

Mate finished bookshelves & H.C.P. painted them

Little auks back on cliffs in greater numbers than ever. Ben alone got 154. Fifteen were caught in one swoop of his net, but six of them got away from him. Total for crew 296.

The captain is a tiringly continuous talker without reference to whether one is reading or trying to work or not.

Ben reports greater numbers of little auks in Norman's gulch than here, by thousands.

11 June. Sunday.

159

Thickly overcast and calm at 9a. Dull day till late afternoon. Brisk N.W. breeze began to blow about 4p. and sky cleared of clouds by 7p.

Temp. min.  $25^{\circ}$ ; 9a.  $36^{\circ}$ ; 10a.  $40^{\circ}$ ; 12m.  $34^{\circ}$ ; 4p.  $31^{\circ}$ ; 8p.  $29^{\circ}$ .

At 11 this morning the temp. had dropped back to  $36^{\circ}$ . The warm wave was sudden and short-lived.

Started out at noon for walk. Had a little jumping over cracks to do to get ashore at point where lumber is piled. Climbed cliff and walked a long brink to prominent point halfway to Norman's Gulch. Saw some yellow <sup>5-petaled</sup> flowers and a new little white flower in addition to the flowers of the scurvy grass and willow which have already been noted. Edge of open water seems to be about  $\frac{1}{4}$  mile outside the large bay berg, or  $1\frac{3}{4}$  mi. from the vessel. The bay ice looks discouragingly solid and immovable, except for the pools of water now stretching almost continuously along the ice foot of the north shore of the bay.

Outside, there is far more pan ice than open water in sight. Waded through lots of soft snow to the top of the hill and observed the same or worse ice conditions extending to the northwest. Got back to vessel at 4 o'clock after a rather fatiguing walk, but it was far better than the preceding four days confinement on board.

12 June. Monday.

Clear and cloudless at 9a.m. with wind strong (#6) from N. or N.E. Clouded over thro' middle of day but clearer again in latter part of afternoon. Much strong wind at times and vessel rocking a little. But oh how cold it holds! Temp. min  $24^{\circ}$ ; 9a.  $30^{\circ}$ ; 12m.  $31^{\circ}$ ; 4p.  $33^{\circ}$ ; 8p.  $31^{\circ}$ .

Outboard all day, on account of blistered heels resulting from yesterday's tramp in rubber moccasins with kamiks inside them. Worked on Cluett article and read in "Near Expectations".

13 June.

Tuesday.

160

S.W. 2-3 at 9a. + changing soon to  
Cloudless and more or less C 4 at in-  
tervals. Wind N.-N.E. 5-6 at 9a. becoming vari-  
able in direction and strength later.

Temp. min  $28\frac{1}{2}^{\circ}$ ; 9a.  $35^{\circ}$ ; 12m.  $37^{\circ}$ ; 4p.  $35^{\circ}$ ; 8p.  $32^{\circ}$

Chief connected up the toilets in my room  
and the bathroom this morning and the cap-  
tain had the latter room thoroughly cleaned.

Out for short walk on bay and shore, but the  
walking was not good and my heel hurt me.  
Stepped into a hidden hole in the bay ice 2' or so  
deep. Water came in over tops of kamiks. Cold, all  
right. These holes, hidden under the mantle  
of the recent heavy snow, are a source of dan-  
ger on the bay ice and the pools between bay  
ice and ice foot make it increasingly dif-  
ficult to get ashore near the ship.

Chief took another series of photos of me  
in my fur.

---

Copy of memo. in re. Dr. Hunt's work.

Bacteriology: Investigation of infectious  
sputum was carried on but brought  
out no new new facts. Infections probably  
those which were brought up by white men.  
No tuberculosis in the tribe but other  
infections come in and are readily taken  
and severely taken by Eskimos. Felons are  
rather more common than among whites  
at home.  
microscopic exam. blood white + Eskimos  
no. of red corpuscles high. Haemoglobin  
up to 100 on standard scale.

Collected 3 musk ox skins and heads of  
Two bears for specimens + his Eskimos brought  
in 2 musk ox specimen skins + heads

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14 June. Wednesday.

(161)

Clear <sup>calm</sup> and almost cloudless morning. Some high cirrus clouds in afternoon. Lying water fog in the distant west.

Temp. min.  $23^{\circ}$ ; 9a.  $33^{\circ}$ ; 12m.  $32^{\circ}$ ; 4p.  $28^{\circ}$ ; 8p.  $26^{\circ}$

Out on shore for  $1\frac{1}{2}$  hr photographing birds on cliffs and talus &c. Developed a dozen plates in the afternoon.

Heavy wind from E. S. E. (fide H.C.P.) sprang up at noon. Blew fiercely till latter part of afternoon and then died down.

Mate broke up our three-handed pinochle game this evening by his fault finding. He had the game all right but was so awfully because I told Norman to lead his queen of hearts to me when it made not a particle of difference to the mate, since he had no hearts or trumps and I had the highest heart and because <sup>later</sup> neither Norman nor I would outbid him at the end when he (mate) was 990 that we threw down our hands. The mate broke up the poker games last winter in a similar babyish fashion, and once before in pinochle gathered up the cards and refused to let the game go on because he was getting wretched hands.

Well - it is a relief to me to have the card playing stop, I was getting awfully tired of it anyhow. He is a fine man, honest and straightforward and I really like him better than any other member of the crew, but he has an awful temper and hates to lose games or even tricks worse than any other man I ever played with I think. Many is the time that I have lost to him just to keep him good natured. Captain says - "no more cards in the cabin"

15 June. Thursday.

Clear and almost cloudless till 9 o'clock, but soon clouded over and

several snow squalls came during (162)  
rest of day. Wind S.E. or E.S.E. and  
heavy (5 to 7 or 8) all day.

Temp. min. 24°; 9a. 32°; 12m. 32°; 4p. 32°; 8p. 31°  
Extremely disagreeable, with lots of driving  
snow in the air at times. We hope that  
the gale, combined with the spring tides to-  
day, may have done some damage to our  
bay ice. But we want warmer weather!  
On board all day. Got in some work on the  
"Cluett" article. Captain Pickels raffled  
off his watch (Waltham, 17 jewel, gold-filled case) a-  
mong the crew on 64 tickets ranging from  
1¢ to 64¢ total \$20.80. H.C.P. himself drew  
out the numbers and Taylor won the ticket.  
There was some grumbling of course among  
the unsuccessful ones, because the captain  
took so long to find the last number in the can,  
but I could not see anything crooked in the case.  
Every number was drawn. I went down to  
the forepeak to see the drawing, although I had  
no interest whatever in the result.

Little ants for bft. and dinner. Dried peaches  
for dessert at dinner.

Wind less violent at 8 o'clock than before.

16 June. Friday.

Clear & cloudless all day, but overcast  
in evening (8p.) Heavy easterly wind 3-4  
a., dying down by 6a. Calm at 9a and  
that or nearly so all day.

Temp. min. 28°; 9a. 35°; 12m. 40°; 4p. 38°; 8p. 35°  
Had chief take photos of me in furs again,  
the preceding set being somewhat out of focus.  
Noon to 3p. on cliffs, going up by gulch  
east of igloo. Lovely day and beautiful  
outlook from top of cliff. Blue sea and  
lots of open water, but does it get any nearer?  
mate got 133 little ants, and Norman 40 with  
his new net & total for crew is more than 500  
New 188 Sander 140

17 June. Saturday.

163

Clear, cloudless, calm. A perfect day.  
Temp. min  $27^{\circ}$ ; 9a.  $37^{\circ}$ ; 12m.  $38^{\circ}$ ; 2p.  $42^{\circ}$ ; 3p.  $43^{\circ}$ ;  
4p.  $39^{\circ}$ ; 8p.  $39\frac{1}{2}^{\circ}$ .

On board reading, writing and caring  
for negatives except for an hour or more  
in mid-afternoon spent in going to the  
gulch east of Pindlak's igloo to photograph  
little ants. Not well satisfied with the  
flights that I saw, but I exposed 6 plates.

Sky was partly cloudy and wind was mod-  
erately strong from the S.E. in the evening.  
Crew flucked, aired and cleaned 333 little ants today.  
Mate made some iron-shod poles for  
use in pushing ice.

18 June. Sunday.

Overcast and almost raining.  
Wind S.E. 7-8. A real good gale that  
ought to do some damage to the ice, for  
the tide last night and today is extra  
high. Norman reported this morning  
that it flowed over the ~~top of the~~ <sup>rock shore</sup> flower parts  
of the beach last night. Temp. 4a.  $43^{\circ}$   
Temp. min.  $36^{\circ}$ ; 9a.  $39^{\circ}$ ; 12m.  $38^{\circ}$ ; 4p.  $36^{\circ}$ ; 8p.  $36^{\circ}$

Norman and the chief went ashore at the lum-  
ber point with some difficulty. Chief brought  
back several blossoms of the yellow Arctic poppy.  
Last year the Crocker Land letters reached the  
Museum on 19 June, hence I am hoping that  
my letters reached you yesterday. But I  
do not know that they have even left Greenland.  
The uncertainties of this life here are trying!  
Charlie got into water above his boot tops, broke the into a crack.

19 June. Monday.

C1. Wind S1, veering to W1-2 at  
10a. Calm at 12m. Light variable W. in p.m.

Temp. min.  $30^{\circ}$ ; 9a.  $40^{\circ}$ ; 4p.  $36^{\circ}$ ; 8p.  $39^{\circ}$  (164)  
Yesterday's wind removed snow from ice where the cover was thin and made the walking good there. Elsewhere on bay the snow is thick and soft and footing very bad. Some more pans of ice seem to have gone from the edge of the ice, but the process is slow. Encouraging melting going on along lane of water coming up through cracks along ice foot of northern shore, where melting is helped by brooks from the gulches. Was out for an hour along shore and on shoulder of cliff above lumber point. Poppies already getting abundant.

Norman and Taylor went seal hunting along the south shore, but the animals were too quick for them though each ventured a shot. They went out to the edge of the ice and then along the dangerous ice foot to where the "Puisse Tidicksua" is cached. They report new cracks and encouraging looks of the ice. Abundance of birds on the water. Ben went out to Norman's gulch and big bluff and got several sea pigeons but could not go to where the murres are.

Put in four + hours on "Cluett Voyage"

20 June. Tuesday.

Overcast and foggy. Calm in morning but strong easterly wind sprang up in late afternoon. Looked bad on ice cap. Snow.  
Temp. min.  $31^{\circ}$ ; 9a.  $35^{\circ}$ ; 12m.  $34^{\circ}$ ; 4p.  $34^{\circ}$ ; 8p.  $34^{\circ}$

Mene, Egingwah, Ahriquodoblahs and Inuk's son Echingwa (?) came in about 10 a.m. from Umanak, Egingwah bringing letters from Ek and Peter and from Rasmussen, who arrived at North Star Bay on the 17th, bringing mail from New York which he sent down to me. Most welcome - but the news that my beloved mother passed away on 16 December saddens me. 35 letters + one telegram!

21 June. Wednesday.

165

Ok. snow

Overcast & foggy at 9 a., with wind S.W. 3-4. Very soon cleared and wind shifted to N.W. and lessened in force. A beautiful day. Strong N.E. 2:15 pm - Temp. min.  $31\frac{1}{2}^{\circ}$ ; 9a.  $32^{\circ}$ ; 12m.  $40^{\circ}$ ; 4p.  $41^{\circ}$ ; 8p.  $37\frac{1}{2}^{\circ}$

Too windy and snowy for Eskimos to leave last night, as they intended to do, but Ahnguodbloho and the boy got away for Cape York about 11 a.m., and Egingwah and Mene left about noon, Mene walking on ahead for a while. I rode out with Egingwah until we overtook Mene about a mile from the schooner, when I left them and walked over to the high hills bordering the Chert glacier on the north along its lower course. Found a ledge of quartzite there dipping  $15-20^{\circ}$  N. and overlying the gneisses. Returned through the moat and along the edge of the glacier, partly on the moraine. Went out in my Iceland sweater without netsha or mittens, since I did not expect to make the excursion. Was perfectly comfortable until after 2 o'clock, when the wind, which had been light from S.W. + N.W., suddenly shifted to N.E. and was very keen. Walking and sledging on the trail up to the ice cap was difficult and fatiguing on account of the softness of the snow. Wanted to go to North Star Bay but decided not to on account of the laborious walking and Dr. Hunt's positive advice, sent down again by Ek, not to undertake the trip as it was too strenuous on account of my physical condition. Sent my camera outfit to Ek by Egingwah as follows: graflex complete with my Zeiss lens, graphic box, telephoto attachment, wide angle lens (Muns), tripod, changing bag, 20 dozen plates, some developing material.

The wind which began to blow about 2 p.m. from N.E. soon became strong and by 4 o'clock was high and gusty. Glad I did not undertake the ice cap, though it may not be blowing so hard up there. Read my letters all through again and enjoyed them, all the news being good except that about mother and Elizabeth. The latter died in Norway of consumption about the middle of February.

22 June. Thursday. (166)

Clear and cloudless with light air (S1) at 9a. The heavy northeaster died out about 7a. but came back again with force about 10a. and blew with great force at intervals till mid afternoon. Then died out again. Clear and cloudless all day - Temp. min.  $30^{\circ}$ ; 9a.  $41\frac{1}{2}^{\circ}$ ; 12m.  $40^{\circ}$ ; 4p.  $40^{\circ}$

Crew slushed down the masts. Made line from port quarter fast to the ice.

I repacked my trunks to get into one everything that I might wish to take with me if I were to leave the "Cluett" and into the other only what might be left on board without inconvenience. Also packed up box for Ekblaw with spare underwear, tobacco, &c ready to go to Umanak by Petr or whoever comes over with Captain Corner.

Have been wishing all week to climb <sup>to</sup> the plateau and see the midnight sun, but Sunday, Monday & Tuesday nights were cloudy or stormy and last night the gale was too strong for me to attempt it.

May go up to-night. Sun at max decl. now. (23 June) Did go up and had a fine little excursion. Left vessel at 10:30 p. & me, went ashore near the igloo and ascended the big gulch  $\frac{1}{4}$  mi or more east of Pudlak's. Easy route over grass, moss and mostly small stones and earth with not many large areas of big angular blocks to high knoll. Rather cold in the shadow of the cliffs and mountain.  $33^{\circ}$  on board when I left and cooler on shore, because moss was frozen and ice was forming on the little pools. When I got up to the edge of the plateau I saw the men building the cairn on the brow of the cliff overlooking the vessel, but I did not go toward them. H.C.P., Ralph, Ben, Taylor and Charlie had left the vessel before 8 o'clock to go up and build the cairn and be there at midnight on this, one of the two "longest days" of the year. I kept on toward my knoll till 11:35, when I was at elevation 1050 ft. about 300 yards from top. The view was beautiful,

with lots of open blue water in sight (167)  
toward the W. and S. Oh, to think of that 13 $\frac{1}{4}$   
mi. of firm bay ice that keeps us from util-  
izing it! The cairn was finished and I could  
hear the men shouting to me, though they were  
fully a mile away. I gave an answering shout,  
which they did not hear, and perceiving by my  
watch that the proposed photo. had probably  
not been taken I started toward them. Reach-  
ed the cairn at 11:58 and the captain took one  
picture with me in the group. Then I took  
one with him in it. The cairn is conical  
in shape and 7 or 8 ft. high. I could not take  
any pictures for myself, because I have no  
more films and I sent my graphex camera  
to Ek on Tuesday. The shadow of the cliff lies  
 $\frac{1}{3}$  way across the bay and the sun's rays do  
not strike even the trucks of the vessel's masts.  
Could see some ducks and gulls on the surface of  
the fresh water pond behind the beach on the south  
side of the flat. Picked some poppies near  
the cairn under the light of the midnight  
sun. Very little wind (N.E.) on the plateau  
and the whole scene was beautiful. Sun is  
about  $10^{\circ}$  above the northern horizon and is  
well above the mountains between us and  
North Star Bay, but its rays come at too low  
an angle to have much heating effect.  
We all came down a gully in the face of the  
cliff, I being the last to leave at about  
12:10 a.m. Reached the "Chett" at 12:30. (330)

23 June. Friday.

Clear, cloudless; calm, or light variable  
winds from S.E. or S. in a.m. and moderate  
from W. in afternoon. Calm evening.  
Temp. min.  $28^{\circ}$ ; 9a.  $34^{\circ}$ ; 12m.  $37^{\circ}$ ; 4p.  $33^{\circ}$ ; 8p.  $35^{\circ}$

On board writing letters &c. Went out for an hour  
on bay ice along northern shore before dinner.  
Lots of concealed holes in the ice. Stepped into  
three, going down  $1\frac{1}{2}$  ft. into one. Precarious footing  
along the open cracks where water has undercut for  
2-3 ft. leaving weak shelf of 4" porous ice.

Chief brought in some purple leather (168) from the bear this noon. Taylor found the first eggs (2) of the season - May be we shall have some for breakfast Sunday morning.

24 June. Saturday.

Clear & cloudless. Light S. or S.E. wind at 9a but calm later and light to moderate N.E. during part of afternoon.

Temp. min.  $28^{\circ}$ ; 9a.  $37^{\circ}$ ; 12m.  $36^{\circ}$ ; 4p.  $34^{\circ}$ ; 8p.  $35^{\circ}$

Charlie & Norman washed cabin walls and ceiling to great improvement of the room.

Chief washed my bearskin pants for me - quite a job. Gave him 10 cigars, since he has still to dry and rub them.

From 12 to 4 was out geologizing on cliffs and in gulch next east of Pudlat's igloo.

Temp. on shore - shade near igloo  $43^{\circ}$ , sun  $47^{\circ}$ ; shade in gulch  $42^{\circ}$ ; on top 750-800' A.T.  $34^{\circ}$ .

Found Huronian quartzite in gulch and on plateau, see notebook. Greenland 2, pp. 16 & 17.

Two or three days ago H.C.P. told me that he came up the Greenland coast, when he was a very young man as navigator on a halibut fisherman, as far as off Upernivik but did not make the coast anywhere except at a small bight close to Egedesminde.

This afternoon at 3:30 I took the altitude of the base of the cairn as 760' A.T. Measured the cairn as being 7' 3" high on eastern side.

The crew are having lots of fun hunting for little-ank eggs, but they do not find many yet and they have to move tons of rocks to get those.

Had sea pigeon each in addition to little anks for dinner. The meat is coarser and not so good in flavor as that of the little ank. Liver-brown in color.

Flowers of several kinds are becoming more abundant. Mosses not ready for collecting.



To-day H.C.P. asked me to sell him some of my <sup>(109)</sup> tobacco. Quite a change of front since 4 May, when he declared with an oath that he would not take any of it under any circumstances either by gift or sale! And it is too late now, having disposed of what I had left over from the coal transaction, except 11 little fleecy, which, as I told the captain, I am reserving for emergencies. Hence there is none for him now.

25 June. Sunday.

Scattered cirrus clouds at 9 a., but sky became overcast by 10 o'clock. Light E or S.E. air at 9 a., increasing to moderate breeze by noon. Strong S.W. wind at 4 p. Temp. min. 28°; 9 a. 37°; 10:30 a. 44°; 12 m. 39½°; 4 p. 36°; 8 p. 35°.

Some sensible swell affected vessel last evening. Strong easterly (S.E.?) wind in afternoon with heavy snow squall from 4 to 5 o'clock, and occasional spits of snow later.

On board all day, writing letters & Reading in "Last of the Mohicans"

Had some little auk eggs at breakfast. They are very palatable. Yolk is rather red in color, and the white is rather translucent when boiled hard. The egg is about half as heavy as an ordinary hen egg, and is pale greenish blue in color. It is very large in comparison with the size of the bird. The eggs are laid on the ground in the crevices of the cliffs and between the rocks of the talus slope. Normal number of eggs in a clutch is just one, and the mother bird fights to protect it or seeks to draw it away into a place of greater security from pursuit. Ben and Taylor each caught a bird yesterday just as she was about to lay and each squeezed the egg out of his bird. forcible parturition! Little auk-pot-pie, with under done dumplings, bread, prunes, molasses and tea for dinner. Stormy evening.

26 June. Monday.

170

Partly cloudy (CY), with light S.E. wind and occasional snow squalls in the morning. Clear afternoon and strong gusty wind. Temp. min. 30°; 9a. 37°; 12m. 36°; 4p. 35°; 8p. 32°

Worked on "Cluett Voyage". Read in "Last of the Mohicans". Took a half hour's walk on bay ice before dinner, but did not go far in either direction on account of bad walking, there being many concealed as well as open holes, much slush and many pools of water on the ice. Increase since Saturday.

There seems to be much or at any rate some discontent among the crew, over the bird-catching and egg-collecting business. H.C.P. has praised Ben and Taylor so much that they have gotten the big head. This morning they had lots of eggs for bft., but would not give Mac Dougal any because he had not been out getting any though he had been plucking birds for the general use. He has not eaten any meat or birds for months, but Ben ate 18 eggs and Taylor a dozen, while Mac Dougal had nothing but bread and molasses, mush and coffee, sitting beside them. Norman gave the fore-castle fits about their hoggishness. Where and when will all this acrimonious debate end? I don't want to hear anything about "groub" or "tobacco" for ten years after I get home.

We had quite a laugh on Norman a day or two because he spoke in all seriousness about the "paws" of the little auks. To-day the laugh was on the chief for talking about a "litter" of chickens.

An awful lot of stones have to be moved in hunting for the eggs. A good many last year's eggs have been found.

To-day the make brought in 38, Norman 14, (171)  
Ben 89, Fiander 46; Taylor 42, Ralph 30, H.P.P. 4  
Chief 5 Charlie 10. 291 in all. Ben  
found two eggs under one bird. Make found  
two last year's eggs together in several instances.

27 June. Tuesday.

Overcast and thick. Sun tried to shine  
a little while this morning but very success-  
fully. Strong easterly (S.E.) wind most of  
day, at times rising to force of a gale -  
Rain mingled with snow several hours.  
Temp. min 30°; 9a. 36½°; 12m. 38°; 4p. 34°; 8p. 32°.  
On board all day, writing letters mostly.  
Finished "Lost of the Mohicans" last night.  
Crew took life boat on board today.  
Ice and snow have melted a good deal  
in past 24 hrs., rain helping the  
process. Many pools of water to be  
seen on bay ice in every direction.  
Jolly boat is floating in such a pool -  
Baked murre in addition to little ducks  
for dinner. Flavor is like that of duck.

28 June. Wednesday.

Clear and cloudless but yesterday's  
Easterly gale continued all night and  
until latter part of afternoon.

Temp. min. 31°; 9a. 36°; 12m. 37½°; 4p. 35°; 8p. 32°

Sorted correspondence and made out list of C.P.E.,  
Mus. + personal property on board the "Cluett"

After dinner went up on cliffs east of igloo  
hunting birds' eggs but found none. Went  
on up to plateau and around to second eastern  
glacier geologizing, then crossed flat at head of bay  
and went along beach to outlet of southern pond.  
~~All three~~ The outlets of all three ponds now cut open  
by across the ice foot. Ice foot is much chan-

neled and honeycombed along the (172) cracks which developed during the winter. The middle outflowing stream has done much the most cutting thus far. Saw two seals in the pool outside the beach, one of wh. came into the inner basin. Saw 50 or 60 eider ducks and a dozen or 15 gulls at the southern basin.

Chief told me yesterday that H.C. P. made some ill natured, sneering remarks the other day about my packing up the C.P.E. books to send to Ekolaw. What a surly disposition the captain has! He always has something nasty to say about everyone, except Dr. Grenfell and Dr. Little and he has ventured some criticisms regarding Dr. Grenfell.

This has been another good egg day, but the hawest time is almost over. The mate himself got 106 today and the total of all hauls to date is 85 dozen. Seal beside vessel.

28 June. Thursday.

Overcast, thick, stormy. Wind E. or S.E. 1-2 at 9a., but soon afterward heavy easterly gale began to rage. Latter part of afternoon wind shifted to S.W. and was moderately strong. E. again in evening. Heavy rain 7-8 a.m., rain and snow at intervals afterward.

Temp. min 30°; 9a. 40°; 12m. 36°; 4p. 36°; 8p. 35°.

Disagreeable day, but we hope and think that damage is being done to the ice.

Went up onto knoll after dinner to look out over bay. Water line seems nearer to the big central berg than it was two or three wks. ago, but clearance by that means looks hopeless.

Cook was moved up into the deck gallery after dinner. (He went down 21 October) He complained bitterly about coming up, just as he did last October about going down - Aneroid makes knoll 200 ft above bay.

Gale from south struck us about 9 p.m. 1173  
and raged furiously outside the bay. H.C.P.  
calls it a "teaser, all right!"

30 June Friday.

Cloudy (C4) up to 10 a.m. then scattering cirrus clouds till late afternoon when cirro-stratus became thick. Fine day. S.E. 3 at 9a., but N.W. 3-4 from 10a. on changing back to E. or S.E. late in afternoon. Some heavy westerly wind last night all night. This drove pack this way and ice is jammed outside the bay as far as one can see.

Temp. min.  $32\frac{1}{2}^{\circ}$ ; 9a.  $41^{\circ}$ ; 12m.  $35\frac{1}{2}^{\circ}$ ; 4p.  $40^{\circ}$ ; 8p.  $36^{\circ}$   
Wrote letters to Ekblaw, Demersell, Reeds.  
Walked on bay ice and shore east of igloo for more than an hour before dinner. Some of the holes in the ice seem to be getting larger and deeper, though I have none over 4 feet in depth ( $3'9"$  of water) except one a month ago which penetrated the ice. Usual depths now are  $2'$ ,  $2'6"$ ,  $3'$  of water. Several varieties of sea weed rooted in the holes. Seal came up in hole alongside vessel.

Comed beef for dinner. We're out of live the auklets and they are becoming hard to catch with the nets. Egg season is over.

About 10:30 p.m. Capt. Corner and Egingwah arrived from Umanak. Evidently rather hard walking, but Captain Corner made light of it and said that I ought to have gone over there for a time anyhow.

Ekblaw's letter informs me that Mene has apparently made an arrangement with Captain Pickels for going to the States on the "Cluett". I had a hint of this plan this morning from Norman.

1 July. Saturday.

(174)

Overcast and thick. A strong gale began to rage about 10 o'clock this morning and has continued all day. <sup>some rain</sup> E. or S.E. 8 to 9 + perhaps 10.

Temp. min 33°; 9a. 37°; 12m. 40°; 4p. 38°; 8p. 37°

The storm has been too severe to permit Egingwah to start back to Umanak today.

Wrote letters to Ekblaw, Rasmussen, Peter & Hunt.

The wind has had great effect in softening and melting the surface of the ice and making pools.

The report is that some ice has been driven off from the edge of the bay. Usual report!

Captain Comer advises me to have nothing to say to Captain Pickels against Mene's going south on the "Chett". I have not been consulted in the matter and my silence will not compromise the Museum in any way, since I can not prevent H.C.P.'s doing as he pleases, whereas I might easily commit the Museum with reference to the charter party by making any effort to control the use of the vessel in any way.

Inclosed letters for Pres. Osborn and Mr. Sherwood in packet going to Ek at Umanak

2 July. Sunday.

Another severely stormy day. Wind E. or S.E. 8-9. Considerable rain. Gusty.

Temp. min 36½°; 9a. 41½°; 12m. 40°; 4p. 36° 8p. 34½°

Are glad that the heavy storm continues. Mate came in after making new mooring for the bowlines, which had been torn loose from the ice, and remarked "Gee! It's only just begun to blow" much more water in pools on the ice than appeared yesterday. Some more ice said to be gone outside, but the "bugbear berg" holds its place in the middle of the bay 1½ mi. from the ship. Egingwah still here. For 6p.

we had the usual cornmeal, molasses, bread, (175  
coffee and curry of mutton or beef with pickles.

Dinner: stew of combined little ducks and mutton.

Late in evening asked H.C.P. regarding truth  
of report that Mene was going out on the "Cheett".  
He said that he was going to take Mene along  
as a hunter, signed on as a regular member  
of the crew, and discharge him in Canada  
(or perhaps Newfoundland?) I raised no objec-  
tion of course, having no right to raise any,  
but I said that I was very sorry that Mene  
was going on Mene's own account as well  
as on account of his former friends in the  
States. H.C.P. said that he incurred no lia-  
bility under the immigration laws of  
either Canada or America, because he had  
the right to sign on foreigners and discharge  
them on arrival at destination, by doing so be-  
fore the shipping commissioner and paying a  
fee of \$2.

3 July. Monday.

Overcast. Thick and snow squally  
at times. Southeasterly (or E?) storm  
continues with renewed strength. Wind  
varied from 7 to 9 in force - snowing

Temp. min.  $32^{\circ}$ ; 9a.  $37^{\circ}$ ; 12m.  $36\frac{1}{2}^{\circ}$ ; 4p.  $36\frac{1}{2}^{\circ}$ ; 8p.  $35^{\circ}$  ^  
Egingwah went out and shot a seal near a  
hole not far from the edge of the ice. The crew  
went out and dragged the carcass in over  
the ice with a rope.

Bkft: mutton scouse.

Dinner: seal ~~and~~ flippers and liver plus corned beef.

Snowing hard 8-8:30 p.m. and wind  
become ~~very~~ light. Some more light  
snow fell during the night.

4 July. Tuesday.

(176)

Cloudy. Wind S. E. 3 and variable. Some calm hours. Flurry of snow about 11 a.m.

Temp. min. 33°; 9a. 38°; 12m. 36°; 4p. 37°; 8p. 34°

Not a wholly pleasant day, but a great relief from the last three days of storm.

Egingwah got another seal for us. It takes an Eskimo to be successful in hunting seals.

Fourth was celebrated by the addition of plum duff and raisins to the dinner menu. Had little aunts for breakfast.

Out for 3/4 hr on bay ice w. Capt. Comer before dinner.

Captain Comer this morning, after reading Dr. Hunt's written opinions regarding my physical condition and ability to make journey to Umanak, agreed with me in thinking that it was not best for me to go over to North Star Bay now ~~and~~ but that I was doing right in staying here and going out on the "Cluett" if she break out before the arrival of the relief steamer; or transferring both of us and all Museum and Expedition property from the schooner to the steamer, if the latter should come before we are released from Parker Snow Bay.

G.C. reports that Peter says that a tidal wave visited this region in the spring or early summer of 1912, moving heavy stones ~~and~~ and big pieces of turf up the beach at Saunders Island and flooded some tundras.

5 July. Wednesday.

Beautiful day, clear; but C. in earlier part of day, almost cloudless through afternoon. Calm or nearly so. N.W. 2-3 outside. Temp. min. 31°; 9a 39°; 12m. 38°; 12:30 p. 41½°; 4p 37½°; 8p. 42° Egingwah started for Umanak at about 10:30 this morning.



Went ashore with Captain Corner 1177  
to old tupic site on shore and then westward  
to Ahngnuboblaho's old igloo, taking three  
photos with his camera. Then I left him,  
went on along the shore to about a half mile  
west of vessel, where I ascended a big gully to  
the plateau and then along brink of cliffs  
to western border of Norman's Gulch, where  
I staid on the rocks in the sun for half hour  
looking over sea and ice and writing. Then  
back across plateau and down cliff above  
the lumber, getting back to the ship at 4:20.  
After dinner had a long private talk with  
Captain Corner in the course of which I became  
satisfied and I think that he did that Ekblew  
had been straightforward in his dealings  
with me, regarding my going over to North  
Star Bay. I was particular about this  
because G.C. had said this morning, and  
before, that "they" had been "pulling the  
wool" over my eyes, and he meant  
and thought that Ek had intentionally  
managed things so that I should not  
go over to Umanak. I showed him that  
Ek had arranged matters twice so that  
I could go, if I thought best, but that  
Dr. Hunt's positive advice was against  
my going, at first on account of bad  
conditions over there and later on ac-  
count of the ~~hard~~ difficult or severe na-  
ture of the journey and the uncertainty  
of getting back to the "Cluett" if she were  
to break out of the ice before the arrival  
of the steamer.

6 July. Thursday.

Clear and cloudless at 9a, but clouded  
over by noon. N.E. 4 in. to 5+6 - gusty -

Temp. min. 28°; 9a. 37°; 12m. 33½°; 4p. 35°; 8p. 35° +  
wind moderate.

Onboard all day on account of heavy

cold wind. Captain Corner was ashore (178) digging at the old igloos for a time, but without finding anything of value to-day.

Sent word to Ralph that I would accept his offer of \$5 for my rubber boots, but when he came aft to look at them, I staid out of the cabin purposely and H.C.P. sold him for \$5.25 a pr. of Expedition boots wh. he had bought from me for \$4. According to Norman H.C.P. said that he would not give 30 cents for mine. Not good for ship use, I presume. But H.C.P. tried a few minutes later, after Norman and Ralph had gone out, to buy mine for \$4 for himself. I would not sell them for less than \$5, the price made to Ralph, and the captain wld not take them. As I told him, the boots cost me \$6.75 and I can turn them back to A. & F. and get full price. H.C.P. is on the make all right. He charged me full price of 75¢ for a slop chest son'wester which Norman says ought not to cost but 50¢.

A very disagreeable afternoon on account of the cold wind off the ice cap -

7 July. Friday.

Cloudless till after noon, but increasing cloudy from 3 o'clock on. Wind S 2 at 9 a. but soon veered to W. or S.W. and became strong and gusty. H.C.P. spoke of the wind as the heaviest that we had had from that quarter.

Variable in direction + force.

Temp. min. 30°; 9a. 47°; 12m. 45°; 3p. 50°; 4p. 47°; 8p.

This has been the warmest day that we have had since coming in here. The warmth and the westerly wind must have done some damage to the ice! Worked a goodly bit on "Cluett Voyage" Told Captain Pickels that I should wish to be transferred to steamer with all Expedition and Museum property in case the steamer shld. arrive before we break out. He thought that it might be hard work to get things out across the ice. I said that I knew

that and that I was willing to pay 179  
the crew for the work. He admitted that  
the ice-kamatik might be re-shod for the  
job.

Between 3 & 4 p. I went on shore and collect-  
ed a small box of mosses from the gentle slope  
200 yds  $\pm$  east of the igloo. Brook running down  
the gulch east of the igloo is very strong today.  
It has cut its channel through the snow  
to within 20-25 yards of the cliff.

Little auk & murre stew for dinner.

I raised a great laugh to-day by saying that  
the hares which I saw scurrying up the face  
of the bluff at Hartstene Bay on 15 Sept. last look-  
ed like a flurry of snow.

8 July. Saturday.

Thinly overcast at 9a. and wind  
from ~~N~~ scarcely perceptible. At 2a.m.  
the wind was blowing a "regular  
twister" from the E and temperature  
41° according to the mate. At 4a.m.  
the thermometer stood at 43° according  
to the chief.

Temp. min. 36½°; 9a. 38°; 12m. 38½°; 4p. 38°; 8p. 36°

Chief went ashore directly after breakfast to  
continue his search for the nest and eggs  
of the Knot (Tringa canutus) which he un-  
derstands to be worth \$500, but he is look-  
ing for them on the flat at the head of the bay.

South wind blowing strongly in gusts from 10:30  
on, beginning to rain at noon. Taylor brought  
in a seal at noon, which he shot from the  
beach midway between the middle and southern  
brooks. Not much rain -

Three hours or more on "Cluett Voyage"  
After dinner Captain Comer and I walk-  
ed over to the Tongue Glacier beside the Nun-  
atak glacier, going across the bay ice to

the middle of the beach and return. (180  
ing across the flat to near the igloo before  
striking the bay again. Walking on bay ice is  
excellent, winding about between the pools.  
Noted the granular texture of the glacier  
ice. Very little water flowing from the  
southern arm of the Nunatak Glacier, but  
rather more from the northern arm. Strong  
stream, six to ten feet wide and four to  
six inches deep coming from the Cluett<sup>re</sup>  
Glacier and another perhaps equally strong  
stream flowing from the ice cap through  
the valley up which the route to Umanak  
lies. Many flowers - purple heather(?), purple  
saxifrage (peppermint), yellow poppy, yellow  
buttercup(?), light violet honeysuckle(?),  
white hare bell like flower on stiff resinous  
plant which is used by Eskimos for fuel when  
oil is absent, etc. etc. A good walk of four  
or five miles, but easterly wind off the  
glaciers was strong and piercing and  
we passed through a light flurry of snow.

9 July. Sunday.

C 4. Clear. Almost cloudless from mid-  
afternoon on. Light southerly breeze (S 2) at 9a  
and light variable or calm all day. Beautiful day.  
Temp. min  $35\frac{1}{2}^{\circ}$ ; 9a.  $43^{\circ}$ ; 12m.  $45^{\circ}$ ; 4p.  $42^{\circ}$ ; 6p.  $48^{\circ}$ ; 8p.

Chief flared up this morning over my  
asking Norman (who appeared with clean shaven  
face, except upper lip) if he was trying to rival  
the chief. Now the chief shaved off his beard  
a few days ago, leaving the moustache, and  
he has gotten a great deal of chaffing from the  
cabin regarding his appearance, in which how-  
ever I have joined but little. This morning he  
cursed us all for jiving him and said he'd eat  
at a separate table etc. He was so ugly and swore  
so much that St. C. P. went for him hard  
and made him stop talking.

The grate of the cabin stove has 181  
lost a piece, and the hole has to be stopped  
with loose pieces of iron. The old thing is  
getting feebler day by day.

Went out with Captain Comer col-  
lecting mosses in the two queches east of Pud-  
lak's igloo. I have my series now for Mrs. Streeter

10 July. Monday.

C2 this morning clearing to cloudless  
in afternoon. Wind S 3 in morning but light  
and variable in afternoon, calm evening.

Temp. min. 33°; 9a. 42°; 12 m. 43°; 4p. 42°; 8p. 44°

Knud Rasmussen, Peter ~~Ko~~ Freuchen  
and Lauge Koch, with Harrigan, <sup>Tobias</sup>  
Boseman & a South Greenland Eskimo,  
arrived about midnight last night from  
Umanak. I was already asleep but  
Captain Pickels called me and I got  
up dressed and talked with the men  
till 2 a.m., then went to bed again and  
did not go to sleep till about 6 and  
was awake once more at 8 for all  
day. Mr. Rasmussen offered to  
take me and what baggage I  
needed with me to N.S.B., so that  
I might await the steamer there.  
During the watches of the night  
I thought the whole matter over  
and decided to accept the offer  
and to take Captain Comer with me,  
it being now so late and the Christ  
being so unmanageable under  
sail in the ice that it seemed cer-  
tain that the schooner would not reach  
America much if at all in ad-  
vance of the steamer. Conversa-  
tion with Captain Comer and  
Mr. Rasmussen to-day has con-

firmed me in this decision. 182

I find K. R. a delightful man to meet.

11 July. Tuesday.

Clear + cloudless. Wind S1 at ship, but N.W. on plateau.

Temp. min  $31\frac{1}{2}^{\circ}$ ; 9a.  $46^{\circ}$ ; 12m  $41^{\circ}$ ; 4p.  $43^{\circ}$ .

Finished packing and completed business with Captain Pickels, leaving letters for him to forward pre-paid and list of all Ext'd. + Mens. + pers. property remaining on board Cluett.

Amount of baggage rather staggered Peter but Rasmussen was game for it and at about N.p.m. two kamaitiks took it all to the beach without accident, though the sledge loaded with the Etah boxes started to slide back down the ice foot. I was standing alone by it and grabbed the front of one runner, lifting it a little and an instant later the rear corners of the runner caught in the snow and stopped the descent of the sledge. I left the ship a minute in advance of Peter and Captain Comer (?) after a very cordial farewell from all the crew and a sufficiently hearty parting with Captain Pickels (in the cabin). as we three were walking across the ice, the crew gave us a rousing cheer and Mene (?) fired a salute from his rifle. The packages were rearranged and loaded onto the six sleds - Rasmussen using my sleeping bag to help make his sledge a very comfortable place for me to ride. Peter took Captain Comer on his sledge and was the first one to start from in front of the igloo at

12 July, Wednesday. 12:20 a.m. followed with

in ten minutes by all the others. I walked across the high beach and the first brook (coming from the first gulch east of the igloo) and along the snow beside the large brook until Rasmussen. I jumped on and rode the whole distance to the ice of North Star Bay, just as Rasmussen had said that I should, though the snow was soft on

the upgrade to the highest ridge of the (183  
ice cap (along the trail i.e.) We reached the  
summit at 2:30 a.m. and my aneroid  
gave the elevation as being 2050 feet above the  
sea. The sky was overcast so thickly  
that we could not even determine the po-  
sition of the sun, but the atmosphere was  
not thick and the cloudiness was advantageous  
for our eyes. View from summit is very ex-  
tensive and I was sorry not to be able to stop  
longer for its enjoyment. Much open water  
along the shore and for 30-35 miles, but beyond  
that was a solid field of ice as far as the eye  
could see, from the Cape York region northward.  
The neve' field of the Petovik Glacier is several  
miles across and it took us nearly two hours  
to traverse it. Namataks project through the  
ice cap some miles to the east of the trail &  
indicate that we are not on the main con-  
tinental cap. From the northern portion  
of the Petovik neve' and beyond, I got  
a good look at the maze of summits and  
gorges in the Cape Athol district. More strongly  
than before did I realize the foolhardiness of  
the undertaking of Norman & Taylor to walk  
to Umanak on 2 & 3 February. After we reached  
the summit we encountered a moderate  
north-northeasterly or northeasterly breeze which  
was so keen that I soon asked Rasmussen  
to stop and let me put on my sweater  
under my netsha. Then I was all right  
and comfortable again. The cloudy sky  
made the surface of the ice cap much  
softer and more difficult for the dogs than  
it was under the clear sky which favored Ras-  
mussen's downward trip. The level  
of the Petovik neve' was about 1700' A.T.  
where we crossed it. Then we ascended 100'±  
and began the long descent of the glacier,  
parallel with the lateral moraine - unless  
the moraine is to be regarded as the  
terminal moraine of the border of  
the ice cap. Moraine is very hum-

rocky and is not derived from (184  
any bordering high land, for no wall  
shows along the whole stretch to the river  
discharging into North Star Bay. Composed  
of earth, sand, gravel and small boulders  
with an occasional large erratic. Some-  
times the dogs were driven at utmost  
speed to keep out of the way of the sliding  
kamatik. Great fun! Crossed some streams  
flowing in the surface of the glacier. These  
must have considerable effect in reduc-  
ing the milkiness of the glacial river,  
for there does not seem to be much water  
coming from underneath the ice. Reach-  
ed the place for descent from the ice about 6:15  
and slid down without accident, the surface  
being soft. 80-100 feet. Exciting moment, with  
dogs on full jump, sledge on the rear cor-  
ners of the runners, being held there by  
Rasmussen who, with firm grasp on the  
upstander, dug his heels into the  
snow-ice to check the rapidity of descent.  
Bottom of glacier stream (ice) 800 feet A.T.  
We stopped beside an erratic section of a large  
basaltic column, made coffee, had some-  
thing to eat and rested for about two hours.  
Then began the 10 mile stretch over stones,  
moss, grass and earth with an occasional en-  
couraging ribbon of snow. Even going  
over this stuff, the dogs pulled the sledge with  
me on it at a rate that usually made Rasmus-  
sen trot to keep up. We reached the ice  
foot of North Star Bay about 10:25 and after  
a little maneuvering to cross out to the  
solid ice we drove to the house, where Ek & Dr.  
are living. Except for 100 yds ± crossing the ice foot  
I stuck to the kamatik. Ek greeted me cordially  
and Dr. evidently meant it when he said that  
he was glad to see me. I feel like a boy on a  
vacation from school, or possibly a man released  
from prison, to be free from the "Chet", after  
living on her a year lacking one week, during wh-  
the 7 nights spent at Cape York were my only absence.  
+ Slept 5 hours in the afternoon and then after  
a pleasant evening with the boys turned in again at 10:30



Ed. Hovey, American Museum  
of Natural History, New York City.

Letter to ~~Mr. L. N. Babbitt,~~  
~~Dobbs Ferry, N. Y.~~

Clouds

Taken out  
at State  
sent home  
Nov. 1916

1. Cirrus
2. High cirro-stratus
3. Low " "
4. Cirro-cumulus
5. High cumulus
6. Low " "
7. Strato-cumulus
8. False cirrus ?
9. Cumulo nimbus
10. Cumulus "top"
11. Nimbus
12. Stratus

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